

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051221\
 Data File : VW018978.D
 Acq On : 12 May 2021 14:55
 Operator : SY/VA
 Sample : VSTD10002
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100102

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:09:55 PM

Quant Time: May 12 15:11:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051221SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 12 14:44:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	650109	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	604952	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	303485	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	660674	81.60	ug/L	0.00
7) Chloroethane-d5	2.891	69	585001	91.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.025	63	1383652	85.78	ug/L	0.00
21) 2-Butanone-d5	7.080	46	306140	150.22	ug/L	0.00
24) Chloroform-d	7.653	84	1505719	89.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.311	65	763780	82.73	ug/L	0.00
32) Benzene-d6	8.275	84	2995026	89.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	876360	88.46	ug/L	0.00
41) Toluene-d8	10.323	98	2899199	92.36	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	412652	93.09	ug/L	0.00
47) 2-Hexanone-d5	10.927	63	273319	163.07	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	670081	81.94	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	967283	93.38	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.014	85	579305	95.86	ug/L	99
3) Chloromethane	2.221	50	600854	102.84	ug/L	97
5) Vinyl chloride	2.367	62	894137	94.92	ug/L	99
6) Bromomethane	2.782	94	719948	107.23	ug/L	97
8) Chloroethane	2.922	64	588568	102.83	ug/L	97
9) Trichlorofluoromethane	3.263	101	701173	97.19	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	775020	92.65	ug/L	95
12) 1,1-Dichloroethene	4.044	96	793114	94.98	ug/L	95
13) Acetone	4.129	43	211117	136.99	ug/L	91
14) Carbon disulfide	4.391	76	2494686	100.32	ug/L	100
15) Methyl Acetate	4.672	43	269873	84.31	ug/L	94
16) Methylene chloride	4.915	84	825904	76.86	ug/L	92
17) trans-1,2-Dichloroethene	5.428	96	880792	97.81	ug/L	92
18) Methyl tert-butyl Ether	5.428	73	1048067	86.31	ug/L	97
19) 1,1-Dichloroethane	6.220	63	1502104	96.86	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	930400m	98.15	ug/L	
22) 2-Butanone	7.171	43	342146	158.78	ug/L	94
23) Bromochloromethane	7.519	128	403353	96.39	ug/L	89
25) Chloroform	7.677	83	1536475	95.19	ug/L	98
27) 1,2-Dichloroethane	8.403	62	956328	88.73	ug/L	99
29) Cyclohexane	7.958	56	1312175	92.10	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	1255764	95.13	ug/L	98
31) Carbon tetrachloride	8.067	117	1148805	95.59	ug/L	97
33) Benzene	8.323	78	3378104	93.86	ug/L	100
34) Trichloroethene	9.092	95	921550	96.52	ug/L	95
35) Methylcyclohexane	9.335	83	1550582	92.16	ug/L	97
37) 1,2-Dichloropropane	9.366	63	811172	94.21	ug/L	99
38) Bromodichloromethane	9.646	83	1121845	98.74	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	1341893	98.42	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	820380	160.86	ug/L	93
42) Toluene	10.390	91	3809225	96.09	ug/L	96
44) trans-1,3-Dichloropropene	10.603	75	1167338	98.61	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051221\
 Data File : VW018978.D
 Acq On : 12 May 2021 14:55
 Operator : SY/VA
 Sample : VSTD10002
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100102

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:09:55 PM

Quant Time: May 12 15:11:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051221SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 12 14:44:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.786	97	602946	89.80	ug/L	95
46) Tetrachloroethene	10.866	164	744371	102.11	ug/L	96
48) 2-Hexanone	10.969	43	552078	167.78	ug/L	92
49) Dibromochloromethane	11.128	129	738216	100.46	ug/L	87
50) 1,2-Dibromoethane	11.238	107	581393	89.37	ug/L	98
51) Chlorobenzene	11.658	112	2409850	98.82	ug/L	96
52) Ethylbenzene	11.731	91	4264986	96.70	ug/L	99
53) m,p-Xylene	11.841	106	1643539	100.57	ug/L	100
54) o-Xylene	12.164	106	1607229	103.01	ug/L	98
55) Styrene	12.182	104	2780290	105.74	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	695036	86.59	ug/L	100
59) Bromoform	12.353	173	442903	108.10	ug/L	98
60) Isopropylbenzene	12.463	105	4225061	97.50	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	502155	81.67	ug/L	99
62) 1,3,5-Trimethylbenzene	12.945	105	3581574	99.52	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	3577307	99.22	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	1871142	102.07	ug/L	94
65) 1,4-Dichlorobenzene	13.579	146	1827395	99.17	ug/L	94
67) 1,2-Dichlorobenzene	13.865	146	1637677	98.28	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	107869	83.31	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.627	180	1312602	99.08	ug/L	96
70) 1,2,4-trichlorobenzene	15.133	180	1104548	101.05	ug/L	98
71) Naphthalene	15.365	128	2036149	91.45	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	962503	98.76	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
5/13/2021 4:09:55 PM

Chromatogram Data (Approximate Peak Values):

Retention Time (min)	Chemical Name	Approximate Abundance
2.00	Dichlorodifluoromethane, T	100,000
2.10	Chloromethane, T	150,000
2.20	Vinyl chloride, d3, S	250,000
2.80	Bromomethane, T	100,000
2.90	Chloroethane, T	150,000
3.30	Trichlorofluoromethane, T	100,000
4.00	Acetone, T	200,000
4.10	1,1,1-Trichloroethane, T	250,000
4.20	Carbon disulfide, T	150,000
4.50	Methyl acetate, T	100,000
4.80	Methylene chloride, T	150,000
5.30	Methyl 1,2-Dichloroethane, T	200,000
6.10	1,1-Dichloroethane, T	150,000
7.10	2-Butanone-d5, S	150,000
7.20	1,1,2,2-Tetrachloroethane, T	200,000
7.50	Bromochloromethane, T	150,000
7.60	Chloroform, T, S	250,000
7.80	1,1,1-Trichloroethane, T	150,000
7.90	Carbon tetrachloride, T	100,000
8.20	1,2-Dichloroethane, T	150,000
8.30	Benzene, T	200,000
8.40	1,2-Dichlorobenzene, T	150,000
8.50	1,2-Dichlorobenzene, S	100,000
8.60	1,2-Dichlorobenzene, T	150,000
8.70	1,2-Dichlorobenzene, T	150,000
8.80	1,2-Dichlorobenzene, T	150,000
8.90	1,2-Dichlorobenzene, T	150,000
9.00	1,4-Difluorobenzene, T	150,000
9.10	1,4-Difluorobenzene, T	150,000
9.20	1,4-Difluorobenzene, T	150,000
9.30	1,4-Difluorobenzene, T	150,000
9.40	1,4-Difluorobenzene, T	150,000
9.50	1,4-Difluorobenzene, T	150,000
9.60	1,4-Difluorobenzene, T	150,000
9.70	1,4-Difluorobenzene, T	150,000
9.80	1,4-Difluorobenzene, T	150,000
9.90	1,4-Difluorobenzene, T	150,000
10.00	1,4-Difluorobenzene, T	150,000
10.10	1,4-Difluorobenzene, T	150,000
10.20	1,4-Difluorobenzene, T	150,000
10.30	1,4-Difluorobenzene, T	150,000
10.40	1,4-Difluorobenzene, T	150,000
10.50	1,4-Difluorobenzene, T	150,000
10.60	1,4-Difluorobenzene, T	150,000
10.70	1,4-Difluorobenzene, T	150,000
10.80	1,4-Difluorobenzene, T	150,000
10.90	1,4-Difluorobenzene, T	150,000
11.00	1,4-Difluorobenzene, T	150,000
11.10	1,4-Difluorobenzene, T	150,000
11.20	1,4-Difluorobenzene, T	150,000
11.30	1,4-Difluorobenzene, T	150,000
11.40	1,4-Difluorobenzene, T	150,000
11.50	1,4-Difluorobenzene, T	150,000
11.60	1,4-Difluorobenzene, T	150,000
11.70	1,4-Difluorobenzene, T	150,000
11.80	1,4-Difluorobenzene, T	150,000
11.90	1,4-Difluorobenzene, T	150,000
12.00	1,4-Difluorobenzene, T	150,000
12.10	1,4-Difluorobenzene, T	150,000
12.20	1,4-Difluorobenzene, T	150,000
12.30	1,4-Difluorobenzene, T	150,000
12.40	1,4-Difluorobenzene, T	150,000
12.50	1,4-Difluorobenzene, T	150,000
12.60	1,4-Difluorobenzene, T	150,000
12.70	1,4-Difluorobenzene, T	150,000
12.80	1,4-Difluorobenzene, T	150,000
12.90	1,4-Difluorobenzene, T	150,000
13.00	1,4-Difluorobenzene, T	150,000
13.10	1,4-Difluorobenzene, T	150,000
13.20	1,4-Difluorobenzene, T	150,000
13.30	1,4-Difluorobenzene, T	150,000
13.40	1,4-Difluorobenzene, T	150,000
13.50	1,4-Difluorobenzene, T	150,000
13.60	1,4-Difluorobenzene, T	150,000
13.70	1,4-Difluorobenzene, T	150,000
13.80	1,4-Difluorobenzene, T	150,000
13.90	1,4-Difluorobenzene, T	150,000
14.00	1,4-Difluorobenzene, T	150,000
14.10	1,4-Difluorobenzene, T	150,000
14.20	1,4-Difluorobenzene, T	150,000
14.30	1,4-Difluorobenzene, T	150,000
14.40	1,4-Difluorobenzene, T	150,000
14.50	1,4-Difluorobenzene, T	150,000
14.60	1,4-Difluorobenzene, T	150,000
14.70	1,4-Difluorobenzene, T	150,000
14.80	1,4-Difluorobenzene, T	150,000
14.90	1,4-Difluorobenzene, T	150,000
15.00	1,4-Difluorobenzene, T	150,000
15.10	1,4-Difluorobenzene, T	150,000
15.20	1,4-Difluorobenzene, T	150,000
15.30	1,4-Difluorobenzene, T	150,000
15.40	1,4-Difluorobenzene, T	150,000