

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017918.D
 Acq On : 18 Jan 2021 09:58
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Manual Integrations
 APPROVED

MMDadoda
 1/20/2021 4:57:42 PM

Quant Time: Jan 18 11:37:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 11:36:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	460161	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	424331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	213499	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	19185	2.62	ug/L	0.00
7) Chloroethane-d5	2.892	69	15377	2.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.026	63	33815m	2.66	ug/L	0.00
20) 2-Butanone-d5	7.086	46	7942	5.81	ug/L	0.00
24) Chloroform-d	7.647	84	32079	2.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	17884	2.73	ug/L	0.00
29) Benzene-d6	8.275	84	62116	2.57	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.275	67	17662	2.64	ug/L	0.00
37) Toluene-d8	10.323	98	57262	2.47	ug/L	0.00
38) trans-1,3-Dichloroprop...	10.579	79	7004	2.31	ug/L	0.00
39) 2-Hexanone-d5	10.927	63	4991	5.10	ug/L	0.00
48) 1,1,2,2-Tetrachloroeth...	12.695	84	14498	2.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.853	152	18843	2.49	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.008	85	13282	2.50	ug/L	99
3) Chloromethane	2.209	50	14422	3.12	ug/L	88
5) Vinyl chloride	2.361	62	19674	2.52	ug/L	98
6) Bromomethane	2.776	94	14964	2.63	ug/L	99
8) Chloroethane	2.928	64	11944	2.47	ug/L	95
9) Trichlorofluoromethane	3.263	101	14203	2.24	ug/L	96
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	17083	2.87	ug/L #	72
12) 1,1-Dichloroethene	4.044	96	15665	2.71	ug/L	91
13) Acetone	4.129	43	7216	6.79	ug/L	97
14) Carbon disulfide	4.385	76	47206	2.73	ug/L	99
15) Methyl Acetate	4.678	43	7686	3.44	ug/L #	77
16) Methylene chloride	4.922	84	21553	3.21	ug/L	98
17) Methyl tert-butyl Ether	5.428	73	21245	2.85	ug/L #	93
18) trans-1,2-Dichloroethene	5.434	96	16739m	2.69	ug/L	
19) 1,1-Dichloroethane	6.220	63	28335	2.66	ug/L	94
21) 2-Butanone	7.183	43	9667	6.28	ug/L	99
22) cis-1,2-Dichloroethene	7.177	96	18169m	2.79	ug/L	
23) Bromochloromethane	7.519	128	7848	2.80	ug/L	82
25) Chloroform	7.671	83	31206	2.80	ug/L	99
27) 1,2-Dichloroethane	8.397	62	20598	2.79	ug/L	96
30) Cyclohexane	7.958	56	27452	2.70	ug/L	98
31) 1,1,1-Trichloroethane	7.872	97	25769	2.64	ug/L	97
32) Carbon tetrachloride	8.074	117	23956	2.60	ug/L	100
34) Benzene	8.324	78	65999	2.70	ug/L	100
35) Trichloroethene	9.092	95	17963	2.67	ug/L	97
36) Methylcyclohexane	9.336	83	31186	2.65	ug/L	98
40) 1,2-Dichloropropane	9.372	63	15978	2.77	ug/L #	92
41) Bromodichloromethane	9.646	83	20792	2.62	ug/L	98
42) cis-1,3-Dichloropropene	10.073	75	22586	2.45	ug/L	97
43) 4-Methyl-2-pentanone	10.213	43	18499	5.83	ug/L	97
44) Toluene	10.390	91	72063	2.60	ug/L	94
45) trans-1,3-Dichloropropene	10.610	75	18621	2.34	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1,2-Trichloroethane	10.787	97	12471	2.81	ug/L	88
47) Tetrachloroethene	10.860	164	14276	2.70	ug/L	91
49) 2-Hexanone	10.969	43	11061	4.94	ug/L	97
50) Dibromochloromethane	11.128	129	13954	2.68	ug/L	96
51) 1,2-Dibromoethane	11.238	107	11954	2.81	ug/L #	90
52) Chlorobenzene	11.658	112	46569	2.70	ug/L	92
53) Ethylbenzene	11.731	91	80020	2.55	ug/L	97
54) m,p-Xylene	11.841	106	31573	2.59	ug/L	98
55) o-xylene	12.170	106	28278	2.46	ug/L	99
56) Styrene	12.183	104	46432	2.42	ug/L	96
57) Isopropylbenzene	12.463	105	79959	2.52	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.713	83	15138	2.95	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	11451	3.01	ug/L	97
62) Bromoform	12.347	173	6642	2.44	ug/L #	91
63) 1,3-Dichlorobenzene	13.499	146	35844	2.70	ug/L	92
64) 1,4-Dichlorobenzene	13.579	146	36014	2.71	ug/L	90
65) 1,2-Dichlorobenzene	13.871	146	31422	2.66	ug/L	90
66) 1,2-Dibromo-3-chloropr...	14.487	75	2437	2.88	ug/L #	68
67) 1,3,5-Trichlorobenzene	14.627	180	24587	2.69	ug/L	95
68) 1,2,4-trichlorobenzene	15.127	180	20223	2.68	ug/L	91
69) Naphthalene	15.365	128	39553	2.60	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	17895	2.75	ug/L	97

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

MMDadoda
1/20/2021 4:57:42 PM

Abundance

TIC: VW017918.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Chlorodifluoromethane, T
Chloromethane, T
Vinyl Chloride, d3, S
Bromomethane, T
Chloroethane, d5, S
Trichlorofluoromethane, T
Acetone, T
1,1-Dichloroethane, T
1,2-Dichloroethane, T
Carbon disulfide, T
Methyl Acetate, T
Methylene chloride, T
Methoxy, T
1,2-Dichloroethane, T
1,1-Dichloroethane, T
1,1-Dichloroethane, T
Carbon tetrachloride, T
Benzene, d6, S
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
Trichloroethene, T
1,2-Dichloroethane, T
1,2-Dichloroethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-pentanone, d8, S
trans-1,3-Dichloropropene, T
1,1,2,2-Tetrachloroethane, T
2,2,4,4-Tetrachlorobutane, T
1,2-Dibromomethane, T
Chlorobenzene, T
Ethylbenzene, T
m,p-Xylene, I
Styrene, Xylene, T
Bromotoluene, T
Isopropylbenzene, T
1,3,5-Trichlorobenzene, d2, S
1,3,5-Trichlorobenzene, T
1,3-Dichlorobenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
1,2-Dibromo-3-chloropropane, T
1,3,5-Trichlorobenzene
1,2-Dibromo-3-chloropropane, T
1,2,4-trichlorobenzene, T
Naphthalene
1,2,3-Trichlorobenzene, T