

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014593.D
 Acq On : 09 Jan 2020 20:24
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:07 AM

Quant Time: Jan 10 03:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	781824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1164421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1010508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	499548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	320909	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.88	113	326470	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.32	98	1336794	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.62	95	454384	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	189627	42.957	ug/l	99
3) Chloromethane	2.21	50	253236	46.867	ug/l	100
4) Vinyl Chloride	2.36	62	401801	50.558	ug/l	100
5) Bromomethane	2.77	94	255968	52.138	ug/l	98
6) Chloroethane	2.92	64	241152	53.231	ug/l	98
7) Trichlorofluoromethane	3.25	101	197069	49.561	ug/l	99
8) Diethyl Ether	3.67	74	216220	54.652	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	392838	52.875	ug/l	98
10) Methyl Iodide	4.27	142	590404	52.668	ug/l	100
11) Tert butyl alcohol	5.15	59	147831	283.568	ug/l	98
12) 1,1-Dichloroethene	4.04	96	418074	53.735	ug/l	97
13) Acrolein	3.89	56	187030	313.485	ug/l	100
14) Allyl chloride	4.66	41	612073	51.480	ug/l	99
15) Acrylonitrile	5.35	53	521239	288.231	ug/l	97
16) Acetone	4.11	43	518361	268.560	ug/l	97
17) Carbon Disulfide	4.38	76	1182512	50.427	ug/l	98
18) Methyl Acetate	4.66	43	253856	54.457	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	568029	58.815	ug/l	99
20) Methylene Chloride	4.91	84	440056	57.000	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	439842	53.241	ug/l	98
22) Diisopropyl ether	6.31	45	1201880	54.007	ug/l	98
23) Vinyl Acetate	6.24	43	3713686	276.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	749210	53.371	ug/l	99
25) 2-Butanone	7.16	43	692469	279.559	ug/l	99
26) 2,2-Dichloropropane	7.16	77	385103	49.551	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	476309	54.870	ug/l	99
28) Bromochloromethane	7.51	49	280950	51.050	ug/l	96
29) Tetrahydrofuran	7.52	42	424079	276.359	ug/l	97
30) Chloroform	7.67	83	709627	54.058	ug/l	99
31) Cyclohexane	7.95	56	734474	50.346	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	566603	53.668	ug/l	100
36) 1,1-Dichloropropene	8.07	75	600831	53.523	ug/l	100
37) Ethyl Acetate	7.24	43	287682	56.506	ug/l	98
38) Carbon Tetrachloride	8.06	117	527183	54.132	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	791208	54.923	ug/l	98
40) Benzene	8.32	78	1723340	54.260	ug/l	100
41) Methacrylonitrile	7.48	41	165964	58.480	ug/l	97
42) 1,2-Dichloroethane	8.39	62	443106	53.760	ug/l	100
43) Isopropyl Acetate	8.42	43	529245	57.247	ug/l	99
44) Trichloroethene	9.09	130	476303	55.421	ug/l	95
45) 1,2-Dichloropropane	9.37	63	429795	55.145	ug/l	98
46) Dibromomethane	9.46	93	214004	55.620	ug/l	98
47) Bromodichloromethane	9.64	83	526424	55.418	ug/l	100
48) Methyl methacrylate	9.43	41	259198	57.424	ug/l	99
49) 1,4-Dioxane	9.44	88	83231	1156.577	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1392684	290.087	ug/l	99
52) Toluene	10.38	92	1091427	54.623	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	550878	56.010	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	664616	55.290	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	317415	56.487	ug/l	99
56) Ethyl methacrylate	10.64	69	442851	60.641	ug/l	98
57) 1,3-Dichloropropane	10.93	76	557472	56.446	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	658564	296.512	ug/l	99
59) 2-Hexanone	10.96	43	991365	299.663	ug/l	99
60) Dibromochloromethane	11.13	129	361392	57.000	ug/l	99
61) 1,2-Dibromoethane	11.23	107	300432	56.324	ug/l	99
64) Tetrachloroethene	10.86	164	434022	59.327	ug/l	97
65) Chlorobenzene	11.65	112	1141239	55.126	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	392242	56.273	ug/l	99
67) Ethyl Benzene	11.73	91	2081399	55.789	ug/l	98
68) m/p-Xylenes	11.83	106	1586489	111.108	ug/l	99
69) o-Xylene	12.16	106	740788	56.165	ug/l	99
70) Styrene	12.18	104	1275257	57.163	ug/l	99
71) Bromoform	12.35	173	221735	58.320	ug/l #	100
73) Isopropylbenzene	12.46	105	2046375	55.829	ug/l	100
74) N-amyl acetate	12.27	43	483799	58.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	371106	56.093	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	281804m	59.664	ug/l	
77) Bromobenzene	12.74	156	475862	55.896	ug/l	98
78) n-propylbenzene	12.80	91	2392330	55.504	ug/l	100
79) 2-Chlorotoluene	12.89	91	1342030	54.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1702190	55.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	121425	57.280	ug/l	100
82) 4-Chlorotoluene	12.99	91	1395362	54.756	ug/l	100
83) tert-Butylbenzene	13.21	119	1513264	56.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1690312	55.191	ug/l	100
85) sec-Butylbenzene	13.38	105	2105186	56.443	ug/l	100
86) p-Isopropyltoluene	13.49	119	1927358	56.693	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	917721	55.436	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	905043	55.376	ug/l	99
89) n-Butylbenzene	13.82	91	1790016	56.700	ug/l	100
90) Hexachloroethane	14.09	117	327931	55.217	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	818052	56.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	60225	57.484	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	597337	60.793	ug/l	99
94) Hexachlorobutadiene	15.23	225	377687	57.358	ug/l	97
95) Naphthalene	15.36	128	1092426	65.191	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	521627	60.904	ug/l	100

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

