

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065304.D
 Acq On : 25 Feb 2020 11:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:38 AM

Quant Time: Feb 25 23:42:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	769733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	690737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216617	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.92	113	233840	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.34	98	930799	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	289755	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	228011	50.925	ug/l	99
3) Chloromethane	2.21	50	265952	46.667	ug/l	96
4) Vinyl Chloride	2.35	62	275743	47.582	ug/l	98
5) Bromomethane	2.77	94	154388	44.062	ug/l	99
6) Chloroethane	2.93	64	166347	47.026	ug/l	99
7) Trichlorofluoromethane	3.27	101	403842	48.675	ug/l	98
8) Diethyl Ether	3.70	74	117528	46.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	260111	49.645	ug/l	99
10) Methyl Iodide	4.29	142	279126	51.310	ug/l	100
11) Tert butyl alcohol	5.24	59	62599	218.137	ug/l	100
12) 1,1-Dichloroethene	4.06	96	246403	49.784	ug/l	96
13) Acrolein	3.93	56	91162	260.575	ug/l	100
14) Allyl chloride	4.71	41	392680	48.857	ug/l	98
15) Acrylonitrile	5.43	53	253682	228.793	ug/l	99
16) Acetone	4.17	43	281584	239.863	ug/l	100
17) Carbon Disulfide	4.40	76	794157	47.860	ug/l	98
18) Methyl Acetate	4.72	43	114573	43.394	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	491726	47.642	ug/l	99
20) Methylene Chloride	4.96	84	261783	50.101	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	280630	49.876	ug/l	94
22) Diisopropyl ether	6.37	45	762611	49.219	ug/l	100
23) Vinyl Acetate	6.31	43	2090907	244.782	ug/l	99
24) 1,1-Dichloroethane	6.26	63	464812	48.365	ug/l	99
25) 2-Butanone	7.22	43	332431	223.817	ug/l	98
26) 2,2-Dichloropropane	7.21	77	408525	48.993	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	286906	48.139	ug/l	99
28) Bromochloromethane	7.55	49	167040	46.850	ug/l	100
29) Tetrahydrofuran	7.57	42	202203	232.347	ug/l	99
30) Chloroform	7.71	83	454324	46.923	ug/l	99
31) Cyclohexane	7.98	56	455423	48.231	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	421563	48.663	ug/l	99
36) 1,1-Dichloropropene	8.11	75	384467	51.334	ug/l	99
37) Ethyl Acetate	7.30	43	138440	44.216	ug/l	99
38) Carbon Tetrachloride	8.10	117	390425	51.208	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	476874	54.160	ug/l	98
40) Benzene	8.36	78	1058030	50.049	ug/l	99
41) Methacrylonitrile	7.53	41	82431	45.597	ug/l	95
42) 1,2-Dichloroethane	8.43	62	268037	46.121	ug/l	100
43) Isopropyl Acetate	8.46	43	264194	46.402	ug/l	99
44) Trichloroethene	9.11	130	295434	50.416	ug/l	99
45) 1,2-Dichloropropane	9.39	63	258552	49.186	ug/l	100
46) Dibromomethane	9.48	93	129088	47.728	ug/l	98
47) Bromodichloromethane	9.67	83	345697	48.501	ug/l	99
48) Methyl methacrylate	9.46	41	127699	48.523	ug/l	97
49) 1,4-Dioxane	9.47	88	30351	956.801	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	695209	240.404	ug/l	100
52) Toluene	10.41	92	675312	51.609	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	325295	49.237	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	398588	49.962	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	181837	47.767	ug/l	99
56) Ethyl methacrylate	10.67	69	221670	50.450	ug/l	98
57) 1,3-Dichloropropane	10.96	76	318203	49.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	295665	213.436	ug/l	98
59) 2-Hexanone	10.99	43	509201	245.979	ug/l	97
60) Dibromochloromethane	11.14	129	237471	48.738	ug/l	100
61) 1,2-Dibromoethane	11.25	107	174654	48.457	ug/l	98
64) Tetrachloroethene	10.88	164	249987	51.029	ug/l	97
65) Chlorobenzene	11.68	112	698990	50.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	258250	49.926	ug/l	99
67) Ethyl Benzene	11.75	91	1275562	52.543	ug/l	100
68) m/p-Xylenes	11.86	106	981179	105.639	ug/l	99
69) o-Xylene	12.19	106	434822	52.842	ug/l	99
70) Styrene	12.20	104	765889	52.423	ug/l	100
71) Bromoform	12.37	173	136166	47.439	ug/l #	99
73) Isopropylbenzene	12.48	105	1209961	54.559	ug/l	100
74) N-amyl acetate	12.30	43	238486	48.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	188238	47.030	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	132784m	46.589	ug/l	
77) Bromobenzene	12.77	156	278250	50.527	ug/l	99
78) n-propylbenzene	12.83	91	1448808	54.363	ug/l	100
79) 2-Chlorotoluene	12.91	91	780615	52.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	986228	53.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	63931	48.433	ug/l	94
82) 4-Chlorotoluene	13.01	91	823525	51.957	ug/l	100
83) tert-Butylbenzene	13.23	119	858741	56.094	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	967088	52.897	ug/l	100
85) sec-Butylbenzene	13.41	105	1187956	53.852	ug/l	100
86) p-Isopropyltoluene	13.53	119	1099139	54.485	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	537673	50.504	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	521966	49.677	ug/l	99
89) n-Butylbenzene	13.86	91	1010298	54.348	ug/l	99
90) Hexachloroethane	14.13	117	210670	51.432	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	456131	49.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27650	44.828	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	311974	52.175	ug/l	98
94) Hexachlorobutadiene	15.28	225	201603	52.560	ug/l	99
95) Naphthalene	15.42	128	505551	52.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	268097	51.338	ug/l	98

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

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