

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065232.D
 Acq On : 19 Feb 2020 11:49
 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
 2/21/2020 5:25:35 PM

Quant Time: Feb 20 04:11:41 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	485875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	629899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200503	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	7.92	113	209651	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.34	98	837131	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.64	95	259986	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	221647	54.389	ug/l	100
3) Chloromethane	2.21	50	263531	50.806	ug/l	98
4) Vinyl Chloride	2.35	62	269780	51.148	ug/l	97
5) Bromomethane	2.77	94	156988	49.226	ug/l	95
6) Chloroethane	2.93	64	161551	50.178	ug/l	99
7) Trichlorofluoromethane	3.27	101	386685	51.207	ug/l	96
8) Diethyl Ether	3.71	74	105007	46.067	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	241459	50.634	ug/l	99
10) Methyl Iodide	4.30	142	253684	51.235	ug/l	98
11) Tert butyl alcohol	5.24	59	52387	200.568	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	231415	51.371	ug/l	99
13) Acrolein	3.93	56	90306	286.533	ug/l	99
14) Allyl chloride	4.71	41	372612	50.936	ug/l	99
15) Acrylonitrile	5.43	53	232529	230.414	ug/l	99
16) Acetone	4.16	43	262319	245.507	ug/l	97
17) Carbon Disulfide	4.40	76	775253	51.332	ug/l	98
18) Methyl Acetate	4.73	43	105155	43.758	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	456340	48.578	ug/l	98
20) Methylene Chloride	4.97	84	253283	53.578	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	261778	51.117	ug/l	99
22) Diisopropyl ether	6.37	45	724229	51.355	ug/l	98
23) Vinyl Acetate	6.31	43	1979431	254.603	ug/l	100
24) 1,1-Dichloroethane	6.27	63	437493	50.015	ug/l	97
25) 2-Butanone	7.22	43	310852	229.944	ug/l	97
26) 2,2-Dichloropropane	7.21	77	387669	51.081	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	272900	50.308	ug/l	100
28) Bromochloromethane	7.55	49	151996	46.838	ug/l	98
29) Tetrahydrofuran	7.57	42	183121	231.188	ug/l	99
30) Chloroform	7.71	83	445002	50.496	ug/l	100
31) Cyclohexane	7.98	56	426338	49.607	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	401681	50.944	ug/l	100
36) 1,1-Dichloropropene	8.11	75	364782	53.570	ug/l	99
37) Ethyl Acetate	7.30	43	132387	46.506	ug/l	100
38) Carbon Tetrachloride	8.10	117	365082	52.667	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	446064	55.720	ug/l	97
40) Benzene	8.36	78	1015468	52.833	ug/l	99
41) Methacrylonitrile	7.54	41	75420	45.886	ug/l	99
42) 1,2-Dichloroethane	8.43	62	263934	49.950	ug/l	99
43) Isopropyl Acetate	8.46	43	246229	47.566	ug/l	99
44) Trichloroethene	9.11	130	277709	52.125	ug/l	99
45) 1,2-Dichloropropane	9.39	63	249530	52.211	ug/l	99
46) Dibromomethane	9.48	93	121848	49.551	ug/l	97
47) Bromodichloromethane	9.67	83	334511	51.619	ug/l	100
48) Methyl methacrylate	9.46	41	131860	55.108	ug/l	94
49) 1,4-Dioxane	9.47	88	27698	960.375	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	635544	241.721	ug/l	100
52) Toluene	10.41	92	647096	54.392	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	310454	51.684	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	383908	52.928	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	169671	49.022	ug/l	97
56) Ethyl methacrylate	10.67	69	205650	51.479	ug/l	99
57) 1,3-Dichloropropane	10.95	76	299096	50.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	288412	228.994	ug/l	99
59) 2-Hexanone	10.99	43	477982	253.960	ug/l	99
60) Dibromochloromethane	11.14	129	226420	51.111	ug/l	98
61) 1,2-Dibromoethane	11.25	107	164359	50.155	ug/l	97
64) Tetrachloroethene	10.88	164	237006	53.052	ug/l	96
65) Chlorobenzene	11.67	112	668997	52.925	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	244233	51.776	ug/l	100
67) Ethyl Benzene	11.75	91	1220000	55.108	ug/l	100
68) m/p-Xylenes	11.86	106	930997	109.917	ug/l	100
69) o-Xylene	12.18	106	420427	56.027	ug/l	98
70) Styrene	12.20	104	730446	54.826	ug/l	99
71) Bromoform	12.37	173	128408	49.057	ug/l #	100
73) Isopropylbenzene	12.48	105	1147472	55.932	ug/l	99
74) N-amyl acetate	12.30	43	221894	48.676	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	178470	48.202	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	120838m	45.832	ug/l	
77) Bromobenzene	12.77	156	267251	52.461	ug/l	99
78) n-propylbenzene	12.83	91	1373524	55.713	ug/l	99
79) 2-Chlorotoluene	12.91	91	744213	53.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	938445	55.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60546	49.584	ug/l	98
82) 4-Chlorotoluene	13.01	91	787211	53.689	ug/l	98
83) tert-Butylbenzene	13.23	119	793181	56.009	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	932868	55.158	ug/l	99
85) sec-Butylbenzene	13.41	105	1134060	55.574	ug/l	100
86) p-Isopropyltoluene	13.53	119	1047326	56.122	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	510989	51.885	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	504487	51.902	ug/l	99
89) n-Butylbenzene	13.85	91	975369	56.720	ug/l	100
90) Hexachloroethane	14.12	117	199808	52.731	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	434596	51.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26247	46.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291558	52.710	ug/l	99
94) Hexachlorobutadiene	15.28	225	186835	52.656	ug/l	100
95) Naphthalene	15.41	128	465178	51.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	247281	51.188	ug/l	100

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

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