

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065284.D
 Acq On : 24 Feb 2020 10:00
 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
 2/25/2020 5:15:17 PM

Quant Time: Feb 25 01:28:41 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	522547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	758546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	680170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207148	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.92	113	227475	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.34	98	890177	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.64	95	281882	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	229453	52.353	ug/l	99
3) Chloromethane	2.21	50	267300	47.916	ug/l	99
4) Vinyl Chloride	2.36	62	272520	48.041	ug/l	97
5) Bromomethane	2.77	94	154048	44.915	ug/l	97
6) Chloroethane	2.93	64	166959	48.218	ug/l	93
7) Trichlorofluoromethane	3.27	101	399313	49.168	ug/l	99
8) Diethyl Ether	3.71	74	117851	48.074	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	259743	50.645	ug/l	99
10) Methyl Iodide	4.30	142	278721	52.341	ug/l	100
11) Tert butyl alcohol	5.24	59	60482	215.310	ug/l	97
12) 1,1-Dichloroethene	4.06	96	247067	50.996	ug/l	96
13) Acrolein	3.93	56	86851	252.728	ug/l	99
14) Allyl chloride	4.71	41	393365	49.999	ug/l	98
15) Acrylonitrile	5.43	53	251809	232.007	ug/l	99
16) Acetone	4.17	43	339747	295.657	ug/l	99
17) Carbon Disulfide	4.40	76	804131	49.507	ug/l	99
18) Methyl Acetate	4.73	43	113646	43.973	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	494135	48.909	ug/l	97
20) Methylene Chloride	4.96	84	260234	50.959	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	277029	50.299	ug/l	97
22) Diisopropyl ether	6.37	45	755013	49.781	ug/l	98
23) Vinyl Acetate	6.31	43	2069573	247.516	ug/l	100
24) 1,1-Dichloroethane	6.27	63	452452	48.095	ug/l	97
25) 2-Butanone	7.22	43	365126	251.137	ug/l	98
26) 2,2-Dichloropropane	7.21	77	407573	49.934	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	285289	48.901	ug/l	99
28) Bromochloromethane	7.55	49	169739	48.634	ug/l	100
29) Tetrahydrofuran	7.57	42	198025	232.459	ug/l	99
30) Chloroform	7.71	83	455841	48.096	ug/l	96
31) Cyclohexane	7.98	56	453623	49.077	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	420360	49.572	ug/l	99
36) 1,1-Dichloropropene	8.11	75	380474	51.550	ug/l	99
37) Ethyl Acetate	7.30	43	136916	44.375	ug/l	98
38) Carbon Tetrachloride	8.10	117	383180	50.999	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	482233	55.576	ug/l	98
40) Benzene	8.36	78	1052436	50.518	ug/l	99
41) Methacrylonitrile	7.53	41	83212	46.708	ug/l	94
42) 1,2-Dichloroethane	8.43	62	266640	46.557	ug/l	100
43) Isopropyl Acetate	8.46	43	261166	46.547	ug/l	98
44) Trichloroethene	9.11	130	296769	51.391	ug/l	96
45) 1,2-Dichloropropane	9.39	63	261339	50.449	ug/l	98
46) Dibromomethane	9.48	93	128795	48.322	ug/l	99
47) Bromodichloromethane	9.67	83	344035	48.979	ug/l	98
48) Methyl methacrylate	9.46	41	126375	48.728	ug/l	95
49) 1,4-Dioxane	9.47	88	27912	892.890	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	694518	243.707	ug/l	100
52) Toluene	10.41	92	681245	52.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	328656	50.479	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	403959	51.382	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	182975	48.774	ug/l	99
56) Ethyl methacrylate	10.67	69	220841	51.002	ug/l	98
57) 1,3-Dichloropropane	10.95	76	314060	49.188	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	298963	219.000	ug/l	99
59) 2-Hexanone	10.99	43	569087	278.963	ug/l	97
60) Dibromochloromethane	11.14	129	234025	48.739	ug/l	100
61) 1,2-Dibromoethane	11.25	107	175175	49.318	ug/l	98
64) Tetrachloroethene	10.88	164	253143	52.476	ug/l	94
65) Chlorobenzene	11.68	112	699156	51.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	254433	49.952	ug/l	99
67) Ethyl Benzene	11.75	91	1270705	53.156	ug/l	99
68) m/p-Xylenes	11.86	106	986403	107.851	ug/l	98
69) o-Xylene	12.18	106	437490	53.992	ug/l	100
70) Styrene	12.20	104	762308	52.988	ug/l	99
71) Bromoform	12.37	173	137076	48.498	ug/l #	99
73) Isopropylbenzene	12.48	105	1215577	56.456	ug/l	100
74) N-amyl acetate	12.30	43	239084	49.972	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	190970	49.144	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	134891m	48.748	ug/l	
77) Bromobenzene	12.77	156	280418	52.448	ug/l	99
78) n-propylbenzene	12.83	91	1448682	55.988	ug/l	99
79) 2-Chlorotoluene	12.91	91	781614	53.922	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	993216	56.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61618	48.081	ug/l	98
82) 4-Chlorotoluene	13.01	91	821661	53.394	ug/l	100
83) tert-Butylbenzene	13.23	119	869145	58.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	975359	54.949	ug/l	100
85) sec-Butylbenzene	13.41	105	1206075	56.314	ug/l	100
86) p-Isopropyltoluene	13.53	119	1113242	56.839	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	534717	51.733	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	523870	51.353	ug/l	99
89) n-Butylbenzene	13.86	91	1017027	56.351	ug/l	99
90) Hexachloroethane	14.12	117	212396	53.408	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	454978	51.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28896	48.253	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	316819	54.575	ug/l	97
94) Hexachlorobutadiene	15.28	225	202505	54.379	ug/l	99
95) Naphthalene	15.41	128	513618	54.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	270645	53.380	ug/l	98

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

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