

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065024.D
 Acq On : 31 Jan 2020 10:17
 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
 2/3/2020 10:52:17 AM

Quant Time: Jan 31 13:03:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	698863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	619088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	234341	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.92	113	226842	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.34	98	905762	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.64	95	278555	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	194410	51.961	ug/l	99
3) Chloromethane	2.21	50	250791	45.735	ug/l	95
4) Vinyl Chloride	2.35	62	294954	46.832	ug/l	98
5) Bromomethane	2.77	94	191064	45.098	ug/l	98
6) Chloroethane	2.93	64	193467	46.594	ug/l	100
7) Trichlorofluoromethane	3.27	101	464180	47.721	ug/l	99
8) Diethyl Ether	3.71	74	101751	46.338	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233816	51.668	ug/l	99
10) Methyl Iodide	4.30	142	247025	51.425	ug/l	98
11) Tert butyl alcohol	5.24	59	54831	208.280	ug/l	99
12) 1,1-Dichloroethene	4.06	96	215636	49.879	ug/l	97
13) Acrolein	3.92	56	83703	253.630	ug/l	93
14) Allyl chloride	4.71	41	350775	50.873	ug/l	97
15) Acrylonitrile	5.43	53	220062	231.429	ug/l	99
16) Acetone	4.16	43	286965	255.478	ug/l	97
17) Carbon Disulfide	4.40	76	696422	48.947	ug/l	98
18) Methyl Acetate	4.72	43	98651	44.215	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	455038	47.107	ug/l	98
20) Methylene Chloride	4.96	84	236079	51.102	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	249680	50.128	ug/l	98
22) Diisopropyl ether	6.37	45	690314	50.236	ug/l	98
23) Vinyl Acetate	6.31	43	1953464	242.807	ug/l	99
24) 1,1-Dichloroethane	6.27	63	421990	50.017	ug/l	98
25) 2-Butanone	7.22	43	321761	250.002	ug/l	99
26) 2,2-Dichloropropane	7.21	77	394414	51.539	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	267095	50.241	ug/l	98
28) Bromochloromethane	7.55	49	170748	50.605	ug/l	98
29) Tetrahydrofuran	7.57	42	180894	227.797	ug/l	99
30) Chloroform	7.71	83	430835	49.400	ug/l	100
31) Cyclohexane	7.98	56	403640	48.633	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	407945	50.280	ug/l	99
36) 1,1-Dichloropropene	8.11	75	356913	52.962	ug/l	100
37) Ethyl Acetate	7.30	43	128482	46.157	ug/l	99
38) Carbon Tetrachloride	8.10	117	372780	52.336	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	425111	53.957	ug/l	99
40) Benzene	8.35	78	963793	51.928	ug/l	100
41) Methacrylonitrile	7.53	41	77847m	51.915	ug/l	
42) 1,2-Dichloroethane	8.43	62	273831	49.528	ug/l	99
43) Isopropyl Acetate	8.46	43	248657	47.027	ug/l	99
44) Trichloroethene	9.11	130	270058	51.990	ug/l	98
45) 1,2-Dichloropropane	9.39	63	229548	51.017	ug/l	97
46) Dibromomethane	9.48	93	120524	49.064	ug/l	98
47) Bromodichloromethane	9.67	83	331946	51.931	ug/l	99
48) Methyl methacrylate	9.46	41	119841	49.251	ug/l	98
49) 1,4-Dioxane	9.47	88	27060	949.809	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	639387	241.671	ug/l	99
52) Toluene	10.41	92	627219	52.416	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	303746	49.886	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	370946	52.035	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	160683	48.561	ug/l	97
56) Ethyl methacrylate	10.67	69	198095	50.064	ug/l	99
57) 1,3-Dichloropropane	10.95	76	282606	49.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	324877	247.137	ug/l	100
59) 2-Hexanone	10.99	43	494050	270.723	ug/l	98
60) Dibromochloromethane	11.14	129	218294	49.360	ug/l	98
61) 1,2-Dibromoethane	11.26	107	156129	49.003	ug/l	96
64) Tetrachloroethene	10.88	164	239593	53.556	ug/l	98
65) Chlorobenzene	11.68	112	638498	50.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	243064	51.417	ug/l	99
67) Ethyl Benzene	11.75	91	1191942	53.413	ug/l	99
68) m/p-Xylenes	11.86	106	927640	107.965	ug/l	100
69) o-Xylene	12.18	106	409387	53.687	ug/l	98
70) Styrene	12.20	104	730569	53.782	ug/l	99
71) Bromoform	12.37	173	124987	47.563	ug/l #	99
73) Isopropylbenzene	12.48	105	1127897	54.955	ug/l	99
74) N-amyl acetate	12.30	43	223096	48.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	168267	48.780	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	135515m	54.372	ug/l	
77) Bromobenzene	12.77	156	258564	51.489	ug/l	99
78) n-propylbenzene	12.83	91	1345404	55.121	ug/l	99
79) 2-Chlorotoluene	12.91	91	719049	53.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	920189	54.710	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	58385	50.019	ug/l	98
82) 4-Chlorotoluene	13.01	91	754416	53.128	ug/l	99
83) tert-Butylbenzene	13.23	119	779777	54.632	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	917503	53.850	ug/l	100
85) sec-Butylbenzene	13.41	105	1096369	54.250	ug/l	99
86) p-Isopropyltoluene	13.53	119	1039235	54.953	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	506437	52.561	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	483665	50.576	ug/l	99
89) n-Butylbenzene	13.86	91	958003	55.509	ug/l	99
90) Hexachloroethane	14.12	117	193792	53.138	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	417090	50.990	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25978	47.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	283096	50.026	ug/l	97
94) Hexachlorobutadiene	15.28	225	184096	51.431	ug/l	99
95) Naphthalene	15.41	128	453723	49.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	246629	50.264	ug/l	100

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

