

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064901.D
 Acq On : 21 Jan 2020 09:21
 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
 1/22/2020 10:49:20 AM

Quant Time: Jan 22 06:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	430412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	143791	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.92	113	149201	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.34	98	537600	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.64	95	173984	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	117523	42.691	ug/l	99
3) Chloromethane	2.21	50	169807	44.105	ug/l	98
4) Vinyl Chloride	2.35	62	203268	43.301	ug/l	96
5) Bromomethane	2.78	94	136954	40.124	ug/l	96
6) Chloroethane	2.93	64	140648	44.715	ug/l	97
7) Trichlorofluoromethane	3.27	101	347040	43.906	ug/l	100
8) Diethyl Ether	3.71	74	73723	46.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	170681	52.141	ug/l	97
10) Methyl Iodide	4.30	142	161729	45.996	ug/l	99
11) Tert butyl alcohol	5.25	59	42922	239.770	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	151277	48.541	ug/l	97
13) Acrolein	3.93	56	31289	125.416	ug/l	99
14) Allyl chloride	4.71	41	243145	50.040	ug/l	97
15) Acrylonitrile	5.43	53	156889	239.969	ug/l	98
16) Acetone	4.17	43	192179	298.530	ug/l	93
17) Carbon Disulfide	4.40	76	423358	42.012	ug/l	100
18) Methyl Acetate	4.72	43	80915	46.013	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	339442	49.037	ug/l	100
20) Methylene Chloride	4.97	84	165576	52.029	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	174636	49.204	ug/l	96
22) Diisopropyl ether	6.37	45	516509	53.294	ug/l	100
23) Vinyl Acetate	6.31	43	1381418	251.272	ug/l	99
24) 1,1-Dichloroethane	6.26	63	316173	54.342	ug/l	98
25) 2-Butanone	7.23	43	222578	259.235	ug/l	94
26) 2,2-Dichloropropane	7.21	77	293126	54.187	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	196979	51.425	ug/l	97
28) Bromochloromethane	7.56	49	114874	50.791	ug/l	99
29) Tetrahydrofuran	7.57	42	121350	227.273	ug/l	97
30) Chloroform	7.71	83	327928	53.721	ug/l	99
31) Cyclohexane	7.98	56	272716	46.826	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	304290	53.072	ug/l	99
36) 1,1-Dichloropropene	8.11	75	252218	52.696	ug/l	100
37) Ethyl Acetate	7.30	43	87018	46.279	ug/l	97
38) Carbon Tetrachloride	8.10	117	278997	54.667	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	291066	50.209	ug/l	99
40) Benzene	8.36	78	691920	52.956	ug/l	98
41) Methacrylonitrile	7.53	41	53400m	48.948	ug/l	
42) 1,2-Dichloroethane	8.43	62	199944	52.955	ug/l	98
43) Isopropyl Acetate	8.46	43	179382	47.930	ug/l	98
44) Trichloroethene	9.12	130	196016	51.067	ug/l	97
45) 1,2-Dichloropropane	9.39	63	173844	55.725	ug/l	97
46) Dibromomethane	9.48	93	86146	49.528	ug/l	99
47) Bromodichloromethane	9.67	83	250759	54.179	ug/l	96
48) Methyl methacrylate	9.46	41	79882	45.331	ug/l	87
49) 1,4-Dioxane	9.47	88	17678	881.446	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	454574	245.732	ug/l	100
52) Toluene	10.41	92	452873	52.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	223916	51.892	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	273574	53.768	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	121346	51.768	ug/l	97
56) Ethyl methacrylate	10.67	69	144347	49.309	ug/l	99
57) 1,3-Dichloropropane	10.95	76	207397	51.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	260083	233.191	ug/l	99
59) 2-Hexanone	10.99	43	334258	266.225	ug/l	99
60) Dibromochloromethane	11.14	129	166843	51.471	ug/l	100
61) 1,2-Dibromoethane	11.25	107	114744	49.630	ug/l	99
64) Tetrachloroethene	10.88	164	168463	51.018	ug/l	98
65) Chlorobenzene	11.68	112	477079	53.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	188161	55.873	ug/l	97
67) Ethyl Benzene	11.75	91	883296	54.477	ug/l	99
68) m/p-Xylenes	11.86	106	684769	109.417	ug/l	99
69) o-Xylene	12.18	106	304378	53.845	ug/l	99
70) Styrene	12.20	104	539583	54.381	ug/l	99
71) Bromoform	12.37	173	93861	48.873	ug/l	100
73) Isopropylbenzene	12.48	105	845139	53.986	ug/l	98
74) N-amyl acetate	12.30	43	162033	48.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	124766	50.734	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	85221m	49.265	ug/l	
77) Bromobenzene	12.77	156	195397	50.797	ug/l	98
78) n-propylbenzene	12.83	91	996057	54.539	ug/l	99
79) 2-Chlorotoluene	12.91	91	541991	54.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	693228	53.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	40845	49.383	ug/l	97
82) 4-Chlorotoluene	13.01	91	571781	53.554	ug/l	100
83) tert-Butylbenzene	13.23	119	590443	52.881	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	688237	53.737	ug/l	98
85) sec-Butylbenzene	13.41	105	833355	54.442	ug/l	99
86) p-Isopropyltoluene	13.53	119	778755	53.206	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	383595	52.311	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	376640	52.285	ug/l	99
89) n-Butylbenzene	13.86	91	719246	54.568	ug/l	98
90) Hexachloroethane	14.12	117	150398	53.793	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	322810	51.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19148	48.030	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	231073	50.189	ug/l	98
94) Hexachlorobutadiene	15.28	225	143919	49.675	ug/l	97
95) Naphthalene	15.41	128	330888	45.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	187125	47.609	ug/l	99

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

