

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061313.D
 Acq On : 25 Mar 2019 20:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:18:56 PM

Quant Time: Mar 26 08:04:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	734068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1245031	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	956811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	455310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	300739	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	6.93	113	477835	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.42	98	1090102	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	13.56	95	418234	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	391332	52.141	ug/l	100
3) Chloromethane	1.77	50	279841	47.798	ug/l	100
4) Vinyl Chloride	1.86	62	273332	49.931	ug/l	98
5) Bromomethane	2.17	94	52325	47.094	ug/l	98
6) Chloroethane	2.29	64	100894	58.585	ug/l	97
7) Trichlorofluoromethane	2.55	101	395274	48.849	ug/l	100
8) Diethyl Ether	2.89	74	148434	61.695	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.16	101	424801	51.578	ug/l	94
10) Methyl Iodide	3.33	142	658283	57.211	ug/l	96
11) Tert butyl alcohol	4.07	59	112994	335.153	ug/l	99
12) 1,1-Dichloroethene	3.14	96	367449	51.849	ug/l	97
13) Acrolein	3.05	56	90829	246.128	ug/l	100
14) Allyl chloride	3.64	41	532833	53.001	ug/l	99
15) Acrylonitrile	4.21	53	379082	319.721	ug/l	97
16) Acetone	3.23	43	420950	277.874	ug/l	94
17) Carbon Disulfide	3.40	76	1254871	53.316	ug/l	99
18) Methyl Acetate	3.66	43	170851	59.666	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	733142	58.742	ug/l	98
20) Methylene Chloride	3.83	84	436326	50.747	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	413184	52.116	ug/l	93
22) Diisopropyl ether	5.13	45	1162928	54.912	ug/l	98
23) Vinyl Acetate	5.07	43	3440942	304.209	ug/l	99
24) 1,1-Dichloroethane	5.00	63	698349	56.586	ug/l	98
25) 2-Butanone	6.08	43	538946	307.584	ug/l	98
26) 2,2-Dichloropropane	6.04	77	501861	47.890	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	458399	53.728	ug/l	99
28) Bromochloromethane	6.45	49	265524	51.402	ug/l	92
29) Tetrahydrofuran	6.46	42	270489	310.140	ug/l	99
30) Chloroform	6.68	83	721259	54.843	ug/l	98
31) Cyclohexane	6.96	56	544508	54.359	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	618099	53.067	ug/l	100
36) 1,1-Dichloropropene	7.16	75	507414	49.813	ug/l	99
37) Ethyl Acetate	6.19	43	276763	65.049	ug/l	97
38) Carbon Tetrachloride	7.12	117	584863m	50.236	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	537346	50.934	ug/l	97
40) Benzene	7.47	78	1331462	52.630	ug/l	99
41) Methacrylonitrile	6.45	41	294267	59.519	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	444887	56.426	ug/l	98
43) Isopropyl Acetate	9.25	43	357298	58.242	ug/l #	98
44) Trichloroethene	8.55	130	511065	55.858	ug/l	100
45) 1,2-Dichloropropane	8.94	63	359305	57.545	ug/l	98
46) Dibromomethane	9.07	93	249107	58.204	ug/l	98
47) Bromodichloromethane	9.38	83	576054	57.424	ug/l	99
48) Methyl methacrylate	9.13	41	203915	62.277	ug/l	96
49) 1,4-Dioxane	9.09	88	49881	1388.446	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	1100447	301.331	ug/l	99
52) Toluene	10.52	92	807246	52.149	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	512993	58.843	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	612149	57.503	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	285345	55.524	ug/l	99
56) Ethyl methacrylate	11.05	69	348009	63.460	ug/l	98
57) 1,3-Dichloropropane	11.41	76	442776	57.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	748985	262.531	ug/l	95
59) 2-Hexanone	11.53	43	828853	312.494	ug/l	97
60) Dibromochloromethane	11.69	129	483830	60.110	ug/l	100
61) 1,2-Dibromoethane	11.81	107	363902	60.604	ug/l	100
64) Tetrachloroethene	11.26	164	368738	55.944	ug/l	96
65) Chlorobenzene	12.40	112	1000864	56.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	388192	56.813	ug/l	99
67) Ethyl Benzene	12.53	91	1401384	51.959	ug/l	98
68) m/p-Xylenes	12.67	106	1114938	105.900	ug/l	98
69) o-Xylene	13.05	106	536543	54.948	ug/l	94
70) Styrene	13.08	104	986719	59.543	ug/l	96
71) Bromoform	13.23	173	265293	63.449	ug/l #	96
73) Isopropylbenzene	13.40	105	1430768	48.313	ug/l	97
74) N-amyl acetate	13.26	43	411463	53.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	337571	58.781	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	341941	60.389	ug/l	99
77) Bromobenzene	13.67	156	416816	50.388	ug/l	93
78) n-propylbenzene	13.78	91	1839473	55.056	ug/l	96
79) 2-Chlorotoluene	13.84	91	1074092	55.214	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	1223417	52.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	108163	60.529	ug/l	97
82) 4-Chlorotoluene	13.95	91	1031737	48.514	ug/l	93
83) tert-Butylbenzene	14.19	119	1474132	55.264	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1223417	52.367	ug/l	99
85) sec-Butylbenzene	14.37	105	1487487	50.073	ug/l	98
86) p-Isopropyltoluene	14.49	119	1294375	48.839	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	764253	52.122	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	761275	53.598	ug/l	96
89) n-Butylbenzene	14.80	91	1197140	50.877	ug/l	97
90) Hexachloroethane	15.01	117	366695	51.605	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	634574	54.238	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	45562	63.490	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	304423	56.339	ug/l	98
94) Hexachlorobutadiene	16.04	225	236285	54.270	ug/l	99
95) Naphthalene	16.13	128	476362	60.420	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	123548	48.955	ug/l	95

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

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