

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063093.D
 Acq On : 15 Jul 2019 20:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:14:51 AM

Quant Time: Jul 16 08:50:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	409747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	580651	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	525894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	304635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	226624	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
35) Dibromofluoromethane	6.91	113	213850	36.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.96%	
50) Toluene-d8	10.40	98	414840	33.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.78%	
62) 4-Bromofluorobenzene	13.55	95	234780	40.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	164181	37.484	ug/l	97
3) Chloromethane	1.74	50	155761	41.413	ug/l #	87
4) Vinyl Chloride	1.84	62	141706	32.404	ug/l	96
5) Bromomethane	2.14	94	105721	64.359	ug/l	92
6) Chloroethane	2.26	64	86762	42.710	ug/l	99
7) Trichlorofluoromethane	2.53	101	338238	38.207	ug/l	93
8) Diethyl Ether	2.86	74	78144	62.751	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	197235	38.638	ug/l	98
10) Methyl Iodide	3.29	142	272585	43.497	ug/l	92
11) Tert butyl alcohol	4.07	59	101585	344.861	ug/l	98
12) 1,1-Dichloroethene	3.11	96	143716	39.647	ug/l	94
13) Acrolein	3.02	56	17896	201.293	ug/l	85
14) Allyl chloride	3.60	41	272772	47.880	ug/l	98
15) Acrylonitrile	4.18	53	225220	345.882	ug/l	94
16) Acetone	3.21	43	397824	322.697	ug/l	98
17) Carbon Disulfide	3.36	76	378246	36.455	ug/l	98
18) Methyl Acetate	3.63	43	128970	77.006	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	556317	60.797	ug/l	98
20) Methylene Chloride	3.80	84	214179	45.986	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	182598	45.377	ug/l	96
22) Diisopropyl ether	5.11	45	680949	54.975	ug/l	90
23) Vinyl Acetate	5.05	43	2334192	323.007	ug/l	99
24) 1,1-Dichloroethane	4.97	63	374224	49.047	ug/l	98
25) 2-Butanone	6.06	43	396310	336.645	ug/l	97
26) 2,2-Dichloropropane	6.00	77	386374	45.756	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	225058	49.166	ug/l	98
28) Bromochloromethane	6.42	49	96597	34.897	ug/l	92
29) Tetrahydrofuran	6.44	42	187950	352.198	ug/l	99
30) Chloroform	6.65	83	491696	52.327	ug/l	99
31) Cyclohexane	6.94	56	185777	38.233	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	434538	46.896	ug/l	99
36) 1,1-Dichloropropene	7.13	75	273112	41.821	ug/l	95
37) Ethyl Acetate	6.17	43	200355	71.687	ug/l	97
38) Carbon Tetrachloride	7.09	117	421783m	42.505	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	208475	36.925	ug/l	91
40) Benzene	7.44	78	627787	45.899	ug/l	97
41) Methacrylonitrile	6.43	41	237590	62.702	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	417999	57.363	ug/l	97
43) Isopropyl Acetate	9.23	43	255266	63.720	ug/l	100
44) Trichloroethene	8.52	130	244393	46.235	ug/l	99
45) 1,2-Dichloropropane	8.93	63	167777	49.200	ug/l	95
46) Dibromomethane	9.05	93	180837	61.711	ug/l	93
47) Bromodichloromethane	9.36	83	432217	56.522	ug/l #	97
48) Methyl methacrylate	9.11	41	173409	65.916	ug/l	90
49) 1,4-Dioxane	9.07	88	30823	1358.549	ug/l #	87
51) 4-Methyl-2-Pentanone	10.29	43	951150	357.975	ug/l	97
52) Toluene	10.50	92	424686	46.498	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	368105	56.187	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	375378	55.414	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	189666	60.090	ug/l	93
56) Ethyl methacrylate	11.03	69	214577	60.845	ug/l	100
57) 1,3-Dichloropropane	11.40	76	264651	55.103	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	723802	368.604	ug/l	96
59) 2-Hexanone	11.52	43	654386	319.349	ug/l	97
60) Dibromochloromethane	11.67	129	362254	59.873	ug/l	96
61) 1,2-Dibromoethane	11.80	107	233801	61.883	ug/l	99
64) Tetrachloroethene	11.25	164	213470	41.833	ug/l	94
65) Chlorobenzene	12.39	112	593119	47.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	292963	51.114	ug/l	98
67) Ethyl Benzene	12.52	91	985309	45.872	ug/l	99
68) m/p-Xylenes	12.66	106	659125	85.674	ug/l	94
69) o-Xylene	13.04	106	360012	49.351	ug/l	96
70) Styrene	13.06	104	608270	47.636	ug/l	97
71) Bromoform	13.23	173	235206	58.617	ug/l	98
73) Isopropylbenzene	13.39	105	1054728	44.832	ug/l	95
74) N-amyl acetate	13.26	43	355129	54.126	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	242454	56.642	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	253554	54.107	ug/l	98
77) Bromobenzene	13.66	156	323126	48.433	ug/l	82
78) n-propylbenzene	13.77	91	1074548	39.690	ug/l	98
79) 2-Chlorotoluene	13.84	91	692778	42.322	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	809865	39.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	68826	55.773	ug/l	90
82) 4-Chlorotoluene	13.95	91	825382	43.180	ug/l	96
83) tert-Butylbenzene	14.18	119	992897	42.827	ug/l	86
84) 1,2,4-Trimethylbenzene	14.23	105	890956	43.585	ug/l	99
85) sec-Butylbenzene	14.36	105	1032255	41.906	ug/l	95
86) p-Isopropyltoluene	14.49	119	1000373	43.534	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	550937	46.241	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	569352	49.846	ug/l	97
89) n-Butylbenzene	14.79	91	901452	42.561	ug/l	99
90) Hexachloroethane	15.00	117	264612	43.075	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	530611	50.013	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	48967	59.682	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	351668	44.120	ug/l	96
94) Hexachlorobutadiene	16.03	225	264762	45.065	ug/l	98
95) Naphthalene	16.12	128	641161	54.991	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	293077	45.708	ug/l	99

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

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