

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063121.D
 Acq On : 17 Jul 2019 10:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/18/2019 10:01:25 AM

Quant Time: Jul 18 07:03:05 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	7.04	168	689449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	916375	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	811502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	405671	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	6.92	113	450967	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.40	98	931093	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	13.55	95	446639	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	362830	49.447	ug/l	97
3) Chloromethane	1.74	50	314424	50.410	ug/l #	87
4) Vinyl Chloride	1.84	62	323177	43.920	ug/l	97
5) Bromomethane	2.14	94	145308	51.928	ug/l	92
6) Chloroethane	2.26	64	161674	47.300	ug/l #	87
7) Trichlorofluoromethane	2.52	101	678901	45.576	ug/l	96
8) Diethyl Ether	2.86	74	106355	50.757	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	385374	44.867	ug/l	98
10) Methyl Iodide	3.29	142	494757	46.920	ug/l	98
11) Tert butyl alcohol	4.07	59	124284	250.751	ug/l	96
12) 1,1-Dichloroethene	3.11	96	282055	46.244	ug/l	95
13) Acrolein	3.02	56	23823	159.251	ug/l	99
14) Allyl chloride	3.61	41	494873	51.625	ug/l	98
15) Acrylonitrile	4.19	53	290227	264.894	ug/l	98
16) Acetone	3.22	43	562565	271.201	ug/l	98
17) Carbon Disulfide	3.36	76	756850	43.352	ug/l	95
18) Methyl Acetate	3.63	43	155673	56.160	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	788562	51.216	ug/l	99
20) Methylene Chloride	3.80	84	335876	42.859	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	338989	50.066	ug/l	97
22) Diisopropyl ether	5.12	45	1108405	53.182	ug/l	97
23) Vinyl Acetate	5.05	43	3456571	284.273	ug/l	98
24) 1,1-Dichloroethane	4.97	63	646391	50.349	ug/l	98
25) 2-Butanone	6.06	43	508030	256.472	ug/l	97
26) 2,2-Dichloropropane	6.01	77	651258	45.836	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	363168	47.151	ug/l	90
28) Bromochloromethane	6.43	49	224561	48.214	ug/l	99
29) Tetrahydrofuran	6.46	42	226468	252.212	ug/l	96
30) Chloroform	6.65	83	791820	50.080	ug/l	95
31) Cyclohexane	6.95	56	401852	49.150	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	753212	48.310	ug/l	98
36) 1,1-Dichloropropene	7.14	75	489458	47.491	ug/l	92
37) Ethyl Acetate	6.17	43	229982	52.140	ug/l	97
38) Carbon Tetrachloride	7.11	117	732960m	46.803	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	400889	44.992	ug/l	95
40) Benzene	7.45	78	1063195	49.255	ug/l	100
41) Methacrylonitrile	6.45	41	303639	50.776	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	554602	48.226	ug/l	98
43) Isopropyl Acetate	9.23	43	320328	50.667	ug/l #	98
44) Trichloroethene	8.53	130	421177	50.488	ug/l	100
45) 1,2-Dichloropropane	8.94	63	279071	51.855	ug/l	98
46) Dibromomethane	9.05	93	232222	50.214	ug/l	93
47) Bromodichloromethane	9.37	83	606353	50.244	ug/l #	94
48) Methyl methacrylate	9.11	41	205495	49.495	ug/l	95
49) 1,4-Dioxane	9.07	88	41951	1171.615	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1167688	278.466	ug/l	99
52) Toluene	10.50	92	714285	49.554	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	501005	48.456	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	551005	51.540	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	275595	55.326	ug/l	94
56) Ethyl methacrylate	11.03	69	297285	53.414	ug/l	98
57) 1,3-Dichloropropane	11.41	76	401297	52.943	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	884476	285.409	ug/l	99
59) 2-Hexanone	11.53	43	922928	285.392	ug/l	97
60) Dibromochloromethane	11.68	129	488838	51.195	ug/l	98
61) 1,2-Dibromoethane	11.80	107	313341	52.551	ug/l	97
64) Tetrachloroethene	11.25	164	363375	46.147	ug/l	98
65) Chlorobenzene	12.39	112	916774	48.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	437829	49.504	ug/l	95
67) Ethyl Benzene	12.52	91	1596854	48.178	ug/l	99
68) m/p-Xylenes	12.67	106	1136222	95.709	ug/l	98
69) o-Xylene	13.04	106	543136	48.249	ug/l	94
70) Styrene	13.07	104	947683	48.096	ug/l	98
71) Bromoform	13.23	173	312542	50.476	ug/l	97
73) Isopropylbenzene	13.40	105	1612769	49.858	ug/l	96
74) N-amyl acetate	13.26	43	435073	48.227	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	295956	50.287	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	312935	48.568	ug/l	100
77) Bromobenzene	13.66	156	473554	51.624	ug/l	78
78) n-propylbenzene	13.77	91	1870570	50.251	ug/l	98
79) 2-Chlorotoluene	13.84	91	1061771	47.175	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1333292	47.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	89486	52.740	ug/l	92
82) 4-Chlorotoluene	13.95	91	1310391	49.859	ug/l	98
83) tert-Butylbenzene	14.18	119	1552498	48.703	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1390898	49.487	ug/l	95
85) sec-Butylbenzene	14.36	105	1684844	49.746	ug/l	93
86) p-Isopropyltoluene	14.49	119	1370138	43.365	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	806389	49.225	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	775710	49.392	ug/l	99
89) n-Butylbenzene	14.79	91	1437092	49.348	ug/l	99
90) Hexachloroethane	15.00	117	417100	49.382	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	737260	50.541	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59224	52.499	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	535605	48.872	ug/l	99
94) Hexachlorobutadiene	16.03	225	393087	48.662	ug/l	99
95) Naphthalene	16.12	128	801391	49.990	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	391482	44.405	ug/l	99

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

