

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061345.D
 Acq On : 26 Mar 2019 20:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:29 PM

Quant Time: Mar 27 09:28:47 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	7.03	168	727498	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	1206364	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1076747	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	382934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	320973	51.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	6.91	113	491546	53.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.40	98	1169486	52.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	13.55	95	455740	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	397814	53.484	ug/l	95
3) Chloromethane	1.76	50	294315	50.724	ug/l	98
4) Vinyl Chloride	1.85	62	285526	52.629	ug/l	98
5) Bromomethane	2.16	94	68609	62.307	ug/l	98
6) Chloroethane	2.27	64	94834m	55.564	ug/l	
7) Trichlorofluoromethane	2.53	101	438441	54.673	ug/l	99
8) Diethyl Ether	2.87	74	150808	63.247	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	446956	54.758	ug/l	97
10) Methyl Iodide	3.31	142	749614	65.736	ug/l	98
11) Tert butyl alcohol	4.05	59	104362	312.345	ug/l	96
12) 1,1-Dichloroethene	3.13	96	394505	56.170	ug/l	95
13) Acrolein	3.04	56	77928	213.076	ug/l	89
14) Allyl chloride	3.62	41	581644	58.378	ug/l	98
15) Acrylonitrile	4.19	53	365279	310.862	ug/l	97
16) Acetone	3.21	43	399988	266.421	ug/l	97
17) Carbon Disulfide	3.38	76	1265504	54.253	ug/l	99
18) Methyl Acetate	3.64	43	172536	60.799	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	735845	59.491	ug/l	99
20) Methylene Chloride	3.81	84	439250	51.549	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	448517	57.083	ug/l	95
22) Diisopropyl ether	5.11	45	1243157	59.230	ug/l	98
23) Vinyl Acetate	5.04	43	3307578	295.059	ug/l	99
24) 1,1-Dichloroethane	4.97	63	703682	57.533	ug/l	99
25) 2-Butanone	6.06	43	539128	310.467	ug/l	96
26) 2,2-Dichloropropane	6.02	77	560346	53.954	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	507594	60.031	ug/l	98
28) Bromochloromethane	6.42	49	288642	56.382	ug/l	99
29) Tetrahydrofuran	6.44	42	269927	312.290	ug/l	99
30) Chloroform	6.65	83	766335	58.797	ug/l	100
31) Cyclohexane	6.94	56	556014	56.009	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	615336	53.306	ug/l	97
36) 1,1-Dichloropropene	7.13	75	512969	51.973	ug/l	98
37) Ethyl Acetate	6.17	43	259476m	62.941	ug/l	
38) Carbon Tetrachloride	7.10	117	583682m	51.742	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	618591	60.515	ug/l	97
40) Benzene	7.45	78	1489828	60.778	ug/l	99
41) Methacrylonitrile	6.42	41	297858	62.176	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	447214	58.539	ug/l	100
43) Isopropyl Acetate	9.23	43	362989	61.066	ug/l	99
44) Trichloroethene	8.53	130	499394	56.332	ug/l	98
45) 1,2-Dichloropropane	8.92	63	351475	58.095	ug/l	99
46) Dibromomethane	9.05	93	249255	60.105	ug/l	93
47) Bromodichloromethane	9.36	83	555302	57.130	ug/l	99
48) Methyl methacrylate	9.11	41	187815	59.199	ug/l	98
49) 1,4-Dioxane	9.06	88	44104	1266.991	ug/l #	94
51) 4-Methyl-2-Pentanone	10.29	43	1105932	312.539	ug/l	97
52) Toluene	10.50	92	877412	58.499	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	535233	63.362	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	602005	58.362	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	273394	54.904	ug/l	98
56) Ethyl methacrylate	11.03	69	341401	64.251	ug/l	98
57) 1,3-Dichloropropane	11.39	76	418364	55.631	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	670122	242.417	ug/l	99
59) 2-Hexanone	11.52	43	766628	298.298	ug/l	98
60) Dibromochloromethane	11.67	129	459336	58.896	ug/l	99
61) 1,2-Dibromoethane	11.79	107	356080	61.202	ug/l	100
64) Tetrachloroethene	11.25	164	409328	55.185	ug/l	97
65) Chlorobenzene	12.39	112	1071184	54.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	423700	55.103	ug/l	98
67) Ethyl Benzene	12.52	91	1584050	52.189	ug/l	99
68) m/p-Xylenes	12.66	106	1261217	106.450	ug/l	96
69) o-Xylene	13.04	106	523954	47.682	ug/l	99
70) Styrene	13.07	104	932454	50.001	ug/l	97
71) Bromoform	13.22	173	266346	56.605	ug/l	98
73) Isopropylbenzene	13.39	105	1570895	63.070	ug/l	97
74) N-amyl acetate	13.25	43	458687	70.390	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	322658	66.803	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	346516	72.763	ug/l	97
77) Bromobenzene	13.66	156	433622	62.327	ug/l	94
78) n-propylbenzene	13.77	91	1893791	67.394	ug/l	95
79) 2-Chlorotoluene	13.83	91	1033927	63.195	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1186978	60.410	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	108661	72.300	ug/l	99
82) 4-Chlorotoluene	13.94	91	1065338	59.562	ug/l	93
83) tert-Butylbenzene	14.18	119	1430530	63.765	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1186978	60.410	ug/l	99
85) sec-Butylbenzene	14.36	105	1651335	66.095	ug/l	97
86) p-Isopropyltoluene	14.48	119	1181510	53.006	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	789055	63.985	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	713311	59.713	ug/l	97
89) n-Butylbenzene	14.79	91	1254067	63.370	ug/l	97
90) Hexachloroethane	15.00	117	390657	65.368	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	660871	67.162	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	42752	70.835	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	332121	73.082	ug/l	98
94) Hexachlorobutadiene	16.03	225	252519	68.961	ug/l	98
95) Naphthalene	16.12	128	531189	80.108	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	158719	74.778	ug/l	97

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

