

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062905.D
 Acq On : 26 Jun 2019 5:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:52 AM

Quant Time: Jun 26 07:39:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	717307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	969809	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	853098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	482235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	416822	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
35) Dibromofluoromethane	6.92	113	435838	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.41	98	921950	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	13.56	95	451668	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	405491	43.685	ug/l	97
3) Chloromethane	1.75	50	306173	43.859	ug/l	99
4) Vinyl Chloride	1.84	62	318100	45.959	ug/l	99
5) Bromomethane	2.15	94	166178	51.267	ug/l	93
6) Chloroethane	2.27	64	159223	50.812	ug/l	99
7) Trichlorofluoromethane	2.53	101	711204	50.773	ug/l	100
8) Diethyl Ether	2.87	74	94134	52.891	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	371772	48.991	ug/l	99
10) Methyl Iodide	3.30	142	503868	50.328	ug/l	98
11) Tert butyl alcohol	4.08	59	91427	257.459	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	265022	46.554	ug/l	84
13) Acrolein	3.03	56	72022	198.666	ug/l	94
14) Allyl chloride	3.62	41	411404	48.909	ug/l	92
15) Acrylonitrile	4.20	53	226785	271.788	ug/l	93
16) Acetone	3.22	43	401362	253.950	ug/l	96
17) Carbon Disulfide	3.37	76	800303	43.987	ug/l	97
18) Methyl Acetate	3.65	43	208283	88.491	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	690572	56.035	ug/l	96
20) Methylene Chloride	3.81	84	305572	51.388	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	300352	49.550	ug/l	89
22) Diisopropyl ether	5.12	45	957664	55.982	ug/l	96
23) Vinyl Acetate	5.05	43	2618086	244.583	ug/l	100
24) 1,1-Dichloroethane	4.97	63	566955	50.904	ug/l	99
25) 2-Butanone	6.08	43	417674	286.415	ug/l	95
26) 2,2-Dichloropropane	6.02	77	522785	44.284	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	327691	51.122	ug/l	96
28) Bromochloromethane	6.43	49	216051	55.077	ug/l	86
29) Tetrahydrofuran	6.46	42	187241	271.376	ug/l	99
30) Chloroform	6.66	83	772325	57.019	ug/l	95
31) Cyclohexane	6.95	56	330669	45.162	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	740343	52.476	ug/l	94
36) 1,1-Dichloropropene	7.14	75	436386	47.533	ug/l	98
37) Ethyl Acetate	6.18	43	212077	55.104	ug/l	96
38) Carbon Tetrachloride	7.11	117	711480m	51.529	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	365062	45.175	ug/l	96
40) Benzene	7.45	78	969395	52.604	ug/l	99
41) Methacrylonitrile	6.45	41	267592	55.270	ug/l	89
42) 1,2-Dichloroethane	7.57	62	609035	60.582	ug/l	97
43) Isopropyl Acetate	9.25	43	293556	60.991	ug/l #	92
44) Trichloroethene	8.54	130	399490	55.295	ug/l	96
45) 1,2-Dichloropropane	8.94	63	242948	53.019	ug/l	92
46) Dibromomethane	9.06	93	222522	56.531	ug/l	94
47) Bromodichloromethane	9.37	83	617431	60.397	ug/l	96
48) Methyl methacrylate	9.12	41	195136	57.052	ug/l	96
49) 1,4-Dioxane	9.09	88	33432	1174.870	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	1001366	293.445	ug/l	98
52) Toluene	10.51	92	635121	51.271	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	493972	59.036	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	497201	54.670	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	249645	58.659	ug/l	95
56) Ethyl methacrylate	11.04	69	264803	58.221	ug/l	94
57) 1,3-Dichloropropane	11.41	76	371871	57.067	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	746026	319.499	ug/l	96
59) 2-Hexanone	11.53	43	772320	317.787	ug/l	95
60) Dibromochloromethane	11.69	129	486691	61.395	ug/l	99
61) 1,2-Dibromoethane	11.81	107	298661	59.418	ug/l	95
64) Tetrachloroethene	11.25	164	432179	61.553	ug/l	95
65) Chlorobenzene	12.40	112	834422	52.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	414956	56.043	ug/l	93
67) Ethyl Benzene	12.52	91	1503891	52.906	ug/l	98
68) m/p-Xylenes	12.67	106	1000266	101.033	ug/l	100
69) o-Xylene	13.05	106	495505	54.749	ug/l	95
70) Styrene	13.08	104	879603	55.332	ug/l	92
71) Bromoform	13.23	173	297296	58.604	ug/l	93
73) Isopropylbenzene	13.40	105	1455978	47.089	ug/l	100
74) N-amyl acetate	13.26	43	385810	51.381	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	276442	54.872	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	313962	56.396	ug/l	97
77) Bromobenzene	13.67	156	446224	53.655	ug/l	92
78) n-propylbenzene	13.77	91	1634266	45.411	ug/l	97
79) 2-Chlorotoluene	13.84	91	978817	47.593	ug/l	89
80) 1,3,5-Trimethylbenzene	13.93	105	1313805	50.586	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	73718	50.525	ug/l	92
82) 4-Chlorotoluene	13.94	91	1279907	51.692	ug/l	91
83) tert-Butylbenzene	14.19	119	1354049	46.773	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1208772	45.409	ug/l	98
85) sec-Butylbenzene	14.37	105	1399860	44.491	ug/l	94
86) p-Isopropyltoluene	14.49	119	1417624	49.249	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	736753	49.420	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	698317	46.636	ug/l	97
89) n-Butylbenzene	14.80	91	1233704	45.792	ug/l	97
90) Hexachloroethane	15.01	117	379234	49.001	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	686180	53.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58378	59.369	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	491868	49.366	ug/l	98
94) Hexachlorobutadiene	16.04	225	354926	46.628	ug/l	99
95) Naphthalene	16.12	128	804879	57.635	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	389228	50.843	ug/l	96

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

