

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062980.D
 Acq On : 1 Jul 2019 10:08
 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
 7/3/2019 9:15:47 AM

Quant Time: Jul 02 07:40:39 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	7.03	168	788607	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	1037572	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	947770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	533836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	434824	50.73	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	6.91	113	413384	47.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.40	98	922177	48.43	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	13.55	95	455939	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	462342	45.306	ug/l	94
3) Chloromethane	1.75	50	322943	42.079	ug/l	99
4) Vinyl Chloride	1.83	62	351058	46.135	ug/l	95
5) Bromomethane	2.14	94	165084	46.325	ug/l	98
6) Chloroethane	2.26	64	187559	54.443	ug/l	95
7) Trichlorofluoromethane	2.52	101	831531	53.996	ug/l	96
8) Diethyl Ether	2.86	74	109327	55.874	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	436218	52.286	ug/l	87
10) Methyl Iodide	3.29	142	497839	45.230	ug/l	95
11) Tert butyl alcohol	4.07	59	109367	280.133	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	315317	50.381	ug/l	96
13) Acrolein	3.03	56	79554	199.602	ug/l	97
14) Allyl chloride	3.60	41	453380	49.026	ug/l	97
15) Acrylonitrile	4.19	53	224229	244.429	ug/l	94
16) Acetone	3.21	43	476633	274.886	ug/l	100
17) Carbon Disulfide	3.36	76	860006	42.995	ug/l	96
18) Methyl Acetate	3.63	43	126760	48.986	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	721306	53.238	ug/l	95
20) Methylene Chloride	3.80	84	301243	46.080	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	304871	45.749	ug/l	93
22) Diisopropyl ether	5.10	45	956450	50.856	ug/l	92
23) Vinyl Acetate	5.04	43	3119018	265.036	ug/l	99
24) 1,1-Dichloroethane	4.96	63	593615	48.479	ug/l	99
25) 2-Butanone	6.06	43	439390	274.065	ug/l	95
26) 2,2-Dichloropropane	6.01	77	692752	53.376	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	329337	46.733	ug/l	95
28) Bromochloromethane	6.43	49	190393	44.148	ug/l	91
29) Tetrahydrofuran	6.44	42	192231	253.419	ug/l	96
30) Chloroform	6.65	83	802019	53.858	ug/l	98
31) Cyclohexane	6.94	56	368175	45.738	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	810104	52.229	ug/l	94
36) 1,1-Dichloropropene	7.13	75	487584	49.642	ug/l	95
37) Ethyl Acetate	6.17	43	192403	46.556	ug/l	99
38) Carbon Tetrachloride	7.09	117	819570m	55.481	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	440538	50.954	ug/l	98
40) Benzene	7.45	78	1030020	52.243	ug/l	96
41) Methacrylonitrile	6.44	41	261667	50.517	ug/l #	90
42) 1,2-Dichloroethane	7.56	62	605375	56.285	ug/l	100
43) Isopropyl Acetate	9.24	43	266304	51.716	ug/l #	94
44) Trichloroethene	8.53	130	419689	54.297	ug/l	95
45) 1,2-Dichloropropane	8.93	63	232701	47.466	ug/l	100
46) Dibromomethane	9.05	93	233057	55.341	ug/l	96
47) Bromodichloromethane	9.37	83	620652	56.747	ug/l	99
48) Methyl methacrylate	9.11	41	195539	53.436	ug/l	93
49) 1,4-Dioxane	9.08	88	32657	1072.683	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	1058049	289.806	ug/l	97
52) Toluene	10.51	92	712081	53.729	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	522644	58.383	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	541812	55.684	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	239585	52.618	ug/l	94
56) Ethyl methacrylate	11.04	69	255604	52.528	ug/l	96
57) 1,3-Dichloropropane	11.40	76	391499	56.155	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	634659	254.053	ug/l	95
59) 2-Hexanone	11.53	43	821221	315.839	ug/l	96
60) Dibromochloromethane	11.68	129	500273	58.987	ug/l	99
61) 1,2-Dibromoethane	11.80	107	298820	55.567	ug/l	93
64) Tetrachloroethene	11.26	164	377175	48.353	ug/l	95
65) Chlorobenzene	12.40	112	859875	48.885	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	404925	49.226	ug/l	96
67) Ethyl Benzene	12.53	91	1495890	47.368	ug/l	99
68) m/p-Xylenes	12.66	106	1137904	103.455	ug/l	99
69) o-Xylene	13.05	106	494538	49.184	ug/l	93
70) Styrene	13.07	104	903922	51.182	ug/l	96
71) Bromoform	13.23	173	298187	52.908	ug/l	93
73) Isopropylbenzene	13.40	105	1605586	46.908	ug/l	99
74) N-amyl acetate	13.26	43	422173	50.789	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	281699	50.511	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	308407	50.044	ug/l	93
77) Bromobenzene	13.67	156	451182	49.007	ug/l	95
78) n-propylbenzene	13.78	91	1923619	48.285	ug/l	98
79) 2-Chlorotoluene	13.83	91	1176757	51.687	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1467445	51.040	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	80705	49.967	ug/l	91
82) 4-Chlorotoluene	13.94	91	1422552	51.900	ug/l	97
83) tert-Butylbenzene	14.19	119	1671961	52.172	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1485215	50.401	ug/l	97
85) sec-Butylbenzene	14.37	105	1743675	50.061	ug/l	97
86) p-Isopropyltoluene	14.48	119	1568250	49.216	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	819782	49.674	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	849939	51.276	ug/l	98
89) n-Butylbenzene	14.80	91	1513498	50.748	ug/l	97
90) Hexachloroethane	15.01	117	411618	48.044	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	730750	51.753	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58569	53.806	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	554191	50.244	ug/l	98
94) Hexachlorobutadiene	16.04	225	421082	49.972	ug/l	94
95) Naphthalene	16.12	128	811427	52.487	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	451664	53.296	ug/l	97

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

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