

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063067.D
 Acq On : 10 Jul 2019 19:26
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:07 AM

Quant Time: Jul 11 07:50:47 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	991325	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1324114	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1069221	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	564822	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	501879	46.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.16%	
35) Dibromofluoromethane	6.92	113	536213	48.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.40	98	1214541	49.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.55	95	505884	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	477819	37.248	ug/l	99
3) Chloromethane	1.74	50	359061	37.218	ug/l	92
4) Vinyl Chloride	1.84	62	409372	42.797	ug/l	93
5) Bromomethane	2.14	94	190815	42.596	ug/l	97
6) Chloroethane	2.26	64	192425	44.433	ug/l	97
7) Trichlorofluoromethane	2.52	101	886920	45.815	ug/l	97
8) Diethyl Ether	2.87	74	112238	45.631	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	454275	43.316	ug/l	95
10) Methyl Iodide	3.30	142	652245	47.141	ug/l	97
11) Tert butyl alcohol	4.08	59	129729	264.338	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	318776	40.518	ug/l #	78
13) Acrolein	3.03	56	83769	167.198	ug/l	95
14) Allyl chloride	3.61	41	580104	49.901	ug/l	98
15) Acrylonitrile	4.19	53	330301	286.428	ug/l	92
16) Acetone	3.22	43	494795	225.753	ug/l	98
17) Carbon Disulfide	3.36	76	988090	39.297	ug/l	100
18) Methyl Acetate	3.64	43	210320	64.657	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	941386	55.273	ug/l	100
20) Methylene Chloride	3.81	84	396804	48.285	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	417396	49.826	ug/l	92
22) Diisopropyl ether	5.12	45	1279269	54.112	ug/l	96
23) Vinyl Acetate	5.05	43	3910838	264.364	ug/l	98
24) 1,1-Dichloroethane	4.97	63	811513	52.722	ug/l	99
25) 2-Butanone	6.06	43	565444	280.568	ug/l	94
26) 2,2-Dichloropropane	6.01	77	774502	47.471	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	449780	50.773	ug/l	95
28) Bromochloromethane	6.44	49	296855	54.758	ug/l	93
29) Tetrahydrofuran	6.46	42	271859	285.104	ug/l	97
30) Chloroform	6.66	83	996043	53.209	ug/l	98
31) Cyclohexane	6.95	56	495495	48.967	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	898659	46.091	ug/l	93
36) 1,1-Dichloropropene	7.13	75	607196	48.442	ug/l	98
37) Ethyl Acetate	6.18	43	273797	52.044	ug/l	95
38) Carbon Tetrachloride	7.11	117	922398m	48.930	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	513017	46.497	ug/l	96
40) Benzene	7.45	78	1327216	52.749	ug/l	96
41) Methacrylonitrile	6.45	41	362942	54.906	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	698573	50.895	ug/l	96
43) Isopropyl Acetate	9.23	43	393881	59.938	ug/l #	99
44) Trichloroethene	8.53	130	521524	52.871	ug/l	92
45) 1,2-Dichloropropane	8.94	63	322375	51.527	ug/l	97
46) Dibromomethane	9.06	93	272693	50.740	ug/l	89
47) Bromodichloromethane	9.37	83	717233	51.386	ug/l	100
48) Methyl methacrylate	9.11	41	246818	52.853	ug/l	90
49) 1,4-Dioxane	9.08	88	41185	1060.052	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1306927	280.508	ug/l	97
52) Toluene	10.50	92	865971	51.201	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	628722	55.034	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	641684	51.677	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	300303	51.681	ug/l	96
56) Ethyl methacrylate	11.04	69	345041	55.564	ug/l	90
57) 1,3-Dichloropropane	11.41	76	485960	54.620	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	941307	295.262	ug/l	98
59) 2-Hexanone	11.53	43	914096	275.481	ug/l	99
60) Dibromochloromethane	11.68	129	594415	54.920	ug/l	97
61) 1,2-Dibromoethane	11.80	107	368735	53.730	ug/l	98
64) Tetrachloroethene	11.25	164	420898	47.830	ug/l	96
65) Chlorobenzene	12.39	112	1075577	54.203	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	491441	52.957	ug/l	93
67) Ethyl Benzene	12.52	91	1871817	52.539	ug/l	99
68) m/p-Xylenes	12.67	106	1331852	107.334	ug/l	92
69) o-Xylene	13.04	106	628459	55.404	ug/l	98
70) Styrene	13.07	104	1072434	53.826	ug/l	94
71) Bromoform	13.23	173	347874	54.713	ug/l #	93
73) Isopropylbenzene	13.40	105	1919037	52.990	ug/l	98
74) N-amyl acetate	13.26	43	516126	58.685	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	349438	59.220	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	370359	56.799	ug/l	94
77) Bromobenzene	13.67	156	539007	55.335	ug/l	92
78) n-propylbenzene	13.77	91	2185879	51.858	ug/l	97
79) 2-Chlorotoluene	13.84	91	1297399	53.859	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1535108	50.465	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	101986	59.679	ug/l	97
82) 4-Chlorotoluene	13.95	91	1511606	52.123	ug/l	97
83) tert-Butylbenzene	14.18	119	1757040	51.819	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	1607569	51.560	ug/l	98
85) sec-Butylbenzene	14.36	105	1805932	49.004	ug/l	93
86) p-Isopropyltoluene	14.49	119	1638306	48.594	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	928832	53.194	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	884684	50.444	ug/l	96
89) n-Butylbenzene	14.79	91	1521918	48.230	ug/l	97
90) Hexachloroethane	15.00	117	469554	51.800	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	813408	54.447	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	66210	57.489	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	608358	52.129	ug/l	98
94) Hexachlorobutadiene	16.03	225	449024	50.365	ug/l	98
95) Naphthalene	16.12	128	919254	56.200	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	498422	55.586	ug/l	96

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

