

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062684.D
 Acq On : 12 Jun 2019 19:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 3:12:11 PM

Quant Time: Jun 13 08:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	785153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1101281	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	950549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	501274	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	570144	50.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	6.91	113	564573	48.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.40	98	1181767	48.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	13.55	95	535205	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	330576	35.466	ug/l	96
3) Chloromethane	1.74	50	317094	40.816	ug/l	97
4) Vinyl Chloride	1.84	62	326490	40.755	ug/l	96
5) Bromomethane	2.14	94	168197	41.595	ug/l	96
6) Chloroethane	2.26	64	169782	42.927	ug/l #	89
7) Trichlorofluoromethane	2.53	101	711243	39.666	ug/l	99
8) Diethyl Ether	2.86	74	100558	41.233	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	411267	42.530	ug/l	96
10) Methyl Iodide	3.29	142	525741	38.458	ug/l	92
11) Tert butyl alcohol	4.08	59	110405	237.070	ug/l #	88
12) 1,1-Dichloroethene	3.12	96	308113	44.399	ug/l	90
13) Acrolein	3.02	56	43242	288.657	ug/l	99
14) Allyl chloride	3.61	41	491592	46.071	ug/l	90
15) Acrylonitrile	4.18	53	270562	255.662	ug/l	94
16) Acetone	3.22	43	455882	219.739	ug/l	98
17) Carbon Disulfide	3.36	76	940418	45.986	ug/l	98
18) Methyl Acetate	3.63	43	152091	44.608	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	797764	47.134	ug/l	100
20) Methylene Chloride	3.80	84	349791	44.576	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	355947	46.760	ug/l	86
22) Diisopropyl ether	5.11	45	1085317	48.985	ug/l	94
23) Vinyl Acetate	5.05	43	3413446	248.337	ug/l	99
24) 1,1-Dichloroethane	4.97	63	671343	47.101	ug/l	97
25) 2-Butanone	6.06	43	462432	228.475	ug/l	96
26) 2,2-Dichloropropane	6.01	77	683534	41.610	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	373458	45.256	ug/l	99
28) Bromochloromethane	6.42	49	288105	52.878	ug/l	97
29) Tetrahydrofuran	6.44	42	211638	232.195	ug/l	99
30) Chloroform	6.65	83	846761	46.303	ug/l	92
31) Cyclohexane	6.94	56	410117	45.869	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	826875	45.441	ug/l	100
36) 1,1-Dichloropropene	7.13	75	541795	42.985	ug/l	98
37) Ethyl Acetate	6.17	43	239473	44.691	ug/l #	96
38) Carbon Tetrachloride	7.09	117	823415m	41.332	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	435119	42.720	ug/l	98
40) Benzene	7.44	78	1130565	45.931	ug/l	99
41) Methacrylonitrile	6.44	41	292558	44.341	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	639651	43.599	ug/l	99
43) Isopropyl Acetate	9.23	43	308684	46.415	ug/l	97
44) Trichloroethene	8.52	130	457163	45.749	ug/l	99
45) 1,2-Dichloropropane	8.92	63	262050	44.322	ug/l	99
46) Dibromomethane	9.05	93	245856	46.847	ug/l	94
47) Bromodichloromethane	9.37	83	655743	45.932	ug/l	93
48) Methyl methacrylate	9.11	41	218282	45.432	ug/l	93
49) 1,4-Dioxane	9.07	88	36162	849.158	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1102411	236.900	ug/l	99
52) Toluene	10.50	92	745913	45.082	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	545663	46.618	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	571622	47.251	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	259898	45.804	ug/l	98
56) Ethyl methacrylate	11.03	69	294353	43.602	ug/l	97
57) 1,3-Dichloropropane	11.40	76	395711	44.995	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	703632	232.015	ug/l	99
59) 2-Hexanone	11.52	43	828529	239.353	ug/l	98
60) Dibromochloromethane	11.67	129	505754	45.153	ug/l	96
61) 1,2-Dibromoethane	11.79	107	323505	47.637	ug/l	92
64) Tetrachloroethene	11.25	164	408886	45.952	ug/l	95
65) Chlorobenzene	12.39	112	919483	43.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	464488	46.320	ug/l	98
67) Ethyl Benzene	12.52	91	1710121	45.874	ug/l	98
68) m/p-Xylenes	12.66	106	1111337	84.799	ug/l	96
69) o-Xylene	13.04	106	533267	44.305	ug/l	92
70) Styrene	13.06	104	927187	43.173	ug/l	99
71) Bromoform	13.23	173	312748	41.184	ug/l	97
73) Isopropylbenzene	13.39	105	1587155	44.921	ug/l	98
74) N-amyl acetate	13.26	43	440827	46.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	293492	48.546	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	332653	48.943	ug/l	98
77) Bromobenzene	13.66	156	450245	44.585	ug/l	92
78) n-propylbenzene	13.77	91	1938650	44.825	ug/l	98
79) 2-Chlorotoluene	13.84	91	1152270	45.503	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1384510	44.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	87960	44.134	ug/l	96
82) 4-Chlorotoluene	13.94	91	1287185	42.505	ug/l	95
83) tert-Butylbenzene	14.18	119	1510471	43.857	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1388151	44.899	ug/l	98
85) sec-Butylbenzene	14.36	105	1560775	43.217	ug/l	97
86) p-Isopropyltoluene	14.49	119	1492311	42.440	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	772690	42.236	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	793516	45.896	ug/l	95
89) n-Butylbenzene	14.79	91	1477515	46.708	ug/l	98
90) Hexachloroethane	15.00	117	409528	44.117	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	723906	47.602	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59828	46.329	ug/l #	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	544575	42.769	ug/l	97
94) Hexachlorobutadiene	16.03	225	408057	45.447	ug/l	98
95) Naphthalene	16.12	128	753465	42.017	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	435888	49.763	ug/l	97

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

