

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD061989.D
 Acq On : 24 Apr 2019 10:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 3:42:00 PM

Quant Time: Apr 25 09:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	625300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1046971	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	805091	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	396561	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	245397	50.14	ug/l	0.01
Spiked Amount 50.000			Recovery =	100.28%		
35) Dibromofluoromethane	6.94	113	362519	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.14%		
50) Toluene-d8	10.42	98	860707	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.92%		
62) 4-Bromofluorobenzene	13.56	95	345919	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	267130	47.843	ug/l	96
3) Chloromethane	1.75	50	212608	44.802	ug/l	97
4) Vinyl Chloride	1.86	62	218978	50.911	ug/l	98
5) Bromomethane	2.15	94	59864	53.757	ug/l	99
6) Chloroethane	2.27	64	74659	48.019	ug/l	95
7) Trichlorofluoromethane	2.54	101	338245	52.011	ug/l	96
8) Diethyl Ether	2.88	74	87239	50.051	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.17	101	287286	47.954	ug/l	99
10) Methyl Iodide	3.32	142	426151	47.050	ug/l	97
11) Tert butyl alcohol	4.06	59	66865	241.817	ug/l	99
12) 1,1-Dichloroethene	3.14	96	236759	46.452	ug/l	97
13) Acrolein	3.04	56	78696	274.300	ug/l	91
14) Allyl chloride	3.63	41	341939	49.131	ug/l	98
15) Acrylonitrile	4.20	53	210430	245.764	ug/l	97
16) Acetone	3.22	43	309023	264.455	ug/l	99
17) Carbon Disulfide	3.39	76	727515	49.395	ug/l	99
18) Methyl Acetate	3.65	43	100333	47.224	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	503069	49.746	ug/l	97
20) Methylene Chloride	3.82	84	267165	46.757	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	286911	49.070	ug/l	99
22) Diisopropyl ether	5.13	45	849554	52.283	ug/l	99
23) Vinyl Acetate	5.07	43	2180533	257.685	ug/l	98
24) 1,1-Dichloroethane	5.00	63	488846	49.775	ug/l	100
25) 2-Butanone	6.08	43	363732	256.736	ug/l	95
26) 2,2-Dichloropropane	6.04	77	436156	50.906	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	324462	48.779	ug/l	99
28) Bromochloromethane	6.45	49	158380	42.147	ug/l	98
29) Tetrahydrofuran	6.47	42	166091	237.928	ug/l	99
30) Chloroform	6.68	83	562260	50.404	ug/l	99
31) Cyclohexane	6.98	56	388122	53.242	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	495775	51.080	ug/l	99
36) 1,1-Dichloropropene	7.16	75	394678	48.385	ug/l	98
37) Ethyl Acetate	6.19	43	178516	51.357	ug/l	95
38) Carbon Tetrachloride	7.12	117	491599m	47.560	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	411280	51.104	ug/l	96
40) Benzene	7.47	78	974279	48.246	ug/l	97
41) Methacrylonitrile	6.46	41	194652	47.994	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	349155	50.922	ug/l	100
43) Isopropyl Acetate	9.25	43	242109	47.670	ug/l #	95
44) Trichloroethene	8.55	130	393510	50.263	ug/l	97
45) 1,2-Dichloropropane	8.95	63	247327	48.277	ug/l	100
46) Dibromomethane	9.07	93	179397	48.666	ug/l	97
47) Bromodichloromethane	9.39	83	419593	48.173	ug/l	99
48) Methyl methacrylate	9.13	41	134560	46.435	ug/l	96
49) 1,4-Dioxane	9.08	88	32170	1029.709	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	750619	241.663	ug/l	98
52) Toluene	10.52	92	605965	47.062	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	352771	48.251	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	409129	46.010	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	205084	47.443	ug/l	97
56) Ethyl methacrylate	11.05	69	221236	46.210	ug/l	97
57) 1,3-Dichloropropane	11.41	76	319868	47.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	518804	233.076	ug/l	97
59) 2-Hexanone	11.54	43	593718	254.816	ug/l	96
60) Dibromochloromethane	11.69	129	366513	51.242	ug/l	99
61) 1,2-Dibromoethane	11.82	107	236789	46.177	ug/l	99
64) Tetrachloroethene	11.27	164	272366	47.424	ug/l	99
65) Chlorobenzene	12.41	112	737084	48.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	323583	50.143	ug/l	94
67) Ethyl Benzene	12.54	91	1226086	49.377	ug/l	99
68) m/p-Xylenes	12.68	106	893786	99.591	ug/l	100
69) o-Xylene	13.06	106	372345	45.344	ug/l	96
70) Styrene	13.08	104	652771	46.039	ug/l	99
71) Bromoform	13.25	173	187346	50.923	ug/l	99
73) Isopropylbenzene	13.41	105	1159371	43.827	ug/l	98
74) N-amyl acetate	13.28	43	284972	41.830	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	228782	44.133	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	250688	49.782	ug/l	97
77) Bromobenzene	13.68	156	337303	44.449	ug/l	97
78) n-propylbenzene	13.79	91	1336578	44.136	ug/l	96
79) 2-Chlorotoluene	13.85	91	873839	47.639	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1022286	48.466	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	73507	48.169	ug/l	97
82) 4-Chlorotoluene	13.95	91	970590	48.048	ug/l	93
83) tert-Butylbenzene	14.20	119	1134276	46.420	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	939732	46.659	ug/l	98
85) sec-Butylbenzene	14.38	105	1164830	44.119	ug/l	97
86) p-Isopropyltoluene	14.50	119	1039871	44.008	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	584362	43.973	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	592164	47.648	ug/l	97
89) n-Butylbenzene	14.80	91	946013	44.594	ug/l	95
90) Hexachloroethane	15.02	117	315669	49.405	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	475034	43.335	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35169	46.134	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	281964	47.672	ug/l	97
94) Hexachlorobutadiene	16.04	225	215039	49.129	ug/l	98
95) Naphthalene	16.13	128	458594	48.021	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	167190	49.820	ug/l	98

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

