

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061983.D
 Acq On : 23 Apr 2019 23:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 1:46:07 PM

Quant Time: Apr 24 03:56:21 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	7.06	168	528374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	896261	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	752619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	319005	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	246670	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
35) Dibromofluoromethane	6.93	113	361366	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
50) Toluene-d8	10.42	98	767197	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	13.56	95	323499	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	237428	50.324	ug/l	99
3) Chloromethane	1.75	50	189322	47.213	ug/l	97
4) Vinyl Chloride	1.85	62	176493	48.561	ug/l	100
5) Bromomethane	2.15	94	54932	59.946	ug/l	100
6) Chloroethane	2.26	64	74417	56.643	ug/l	96
7) Trichlorofluoromethane	2.54	101	294442	53.581	ug/l	99
8) Diethyl Ether	2.87	74	91443	62.087	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	284209	56.143	ug/l	99
10) Methyl Iodide	3.32	142	470513	59.813	ug/l	98
11) Tert butyl alcohol	4.06	59	92638	396.483	ug/l	100
12) 1,1-Dichloroethene	3.13	96	243365	56.507	ug/l	96
13) Acrolein	3.04	56	67775	279.569	ug/l	92
14) Allyl chloride	3.63	41	361708	61.505	ug/l	98
15) Acrylonitrile	4.19	53	265994	367.646	ug/l	97
16) Acetone	3.22	43	278534	282.089	ug/l	98
17) Carbon Disulfide	3.39	76	762939	61.303	ug/l	99
18) Methyl Acetate	3.64	43	134964	76.515	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	545771	63.868	ug/l	97
20) Methylene Chloride	3.82	84	291377	61.339	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	272286	55.111	ug/l	96
22) Diisopropyl ether	5.12	45	833674	60.717	ug/l #	84
23) Vinyl Acetate	5.07	43	2370896	331.578	ug/l	99
24) 1,1-Dichloroethane	4.99	63	500619	60.324	ug/l	99
25) 2-Butanone	6.07	43	399718	333.892	ug/l	98
26) 2,2-Dichloropropane	6.03	77	384463	53.104	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	334324	59.482	ug/l	96
28) Bromochloromethane	6.45	49	196227	61.797	ug/l	97
29) Tetrahydrofuran	6.47	42	205708	348.737	ug/l	99
30) Chloroform	6.67	83	572249	60.710	ug/l	99
31) Cyclohexane	6.97	56	342863	55.662	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	463941	56.569	ug/l	98
36) 1,1-Dichloropropene	7.16	75	350815	50.240	ug/l	98
37) Ethyl Acetate	6.18	43	193889	65.159	ug/l	96
38) Carbon Tetrachloride	7.13	117	454763m	51.395	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	348225	50.545	ug/l	98
40) Benzene	7.47	78	905071	52.355	ug/l	98
41) Methacrylonitrile	6.46	41	232498	66.965	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	326995	55.710	ug/l	97
43) Isopropyl Acetate	9.24	43	272959	62.781	ug/l	99
44) Trichloroethene	8.55	130	342466	51.099	ug/l	99
45) 1,2-Dichloropropane	8.95	63	244003	55.638	ug/l	100
46) Dibromomethane	9.07	93	193892	61.442	ug/l	97
47) Bromodichloromethane	9.38	83	421987	56.594	ug/l	99
48) Methyl methacrylate	9.12	41	157152	63.351	ug/l	98
49) 1,4-Dioxane	9.09	88	36704	1372.388	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	849361	319.436	ug/l	100
52) Toluene	10.51	92	589885	53.516	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	388991	62.152	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	451122	59.263	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	233908	63.210	ug/l	98
56) Ethyl methacrylate	11.05	69	251604	61.390	ug/l	95
57) 1,3-Dichloropropane	11.42	76	343778	60.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	567966	298.069	ug/l	97
59) 2-Hexanone	11.54	43	630401	316.056	ug/l	98
60) Dibromochloromethane	11.69	129	382254	62.430	ug/l	99
61) 1,2-Dibromoethane	11.81	107	271277	61.798	ug/l	93
64) Tetrachloroethene	11.26	164	287484	53.547	ug/l	96
65) Chlorobenzene	12.40	112	712553	50.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	318121	52.734	ug/l	98
67) Ethyl Benzene	12.53	91	1162424	50.077	ug/l	100
68) m/p-Xylenes	12.68	106	881008	105.011	ug/l	99
69) o-Xylene	13.05	106	411039	53.547	ug/l	98
70) Styrene	13.08	104	712765	53.775	ug/l	99
71) Bromoform	13.24	173	205446	59.736	ug/l #	98
73) Isopropylbenzene	13.41	105	1124859	52.860	ug/l	98
74) N-amyl acetate	13.27	43	348754	63.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	263084	63.089	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	262563	64.816	ug/l	99
77) Bromobenzene	13.67	156	358017	58.648	ug/l	87
78) n-propylbenzene	13.78	91	1424362	58.470	ug/l	98
79) 2-Chlorotoluene	13.85	91	800802	54.272	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	937358	55.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	79324	64.618	ug/l	93
82) 4-Chlorotoluene	13.95	91	884659	54.441	ug/l	89
83) tert-Butylbenzene	14.19	119	1047285	53.280	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	918267	56.678	ug/l	100
85) sec-Butylbenzene	14.37	105	1172659	55.214	ug/l	100
86) p-Isopropyltoluene	14.50	119	1023540	53.848	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	581116	54.360	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	553293	55.344	ug/l	99
89) n-Butylbenzene	14.80	91	835337	48.950	ug/l	96
90) Hexachloroethane	15.01	117	274479	53.402	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	489951	55.562	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37274	59.946	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	290339	61.023	ug/l	97
94) Hexachlorobutadiene	16.05	225	225245	63.972	ug/l	99
95) Naphthalene	16.12	128	540902	70.410	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	203462	75.368	ug/l	99

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

