

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060917.D
 Acq On : 4 Mar 2019 11:54
 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
 3/5/2019 10:49:08 AM

Quant Time: Mar 05 02:05:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	753966	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1305310	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	1121039	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	461504	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	345576	55.44	ug/l	0.04
Spiked Amount	50.000		Recovery	=	110.88%	
35) Dibromofluoromethane	6.95	113	564742	53.97	ug/l	0.04
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.44	98	1449496	55.67	ug/l	0.04
Spiked Amount	50.000		Recovery	=	111.34%	
62) 4-Bromofluorobenzene	13.57	95	525822	53.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	418573	50.103	ug/l	98
3) Chloromethane	1.78	50	331300	47.788	ug/l	96
4) Vinyl Chloride	1.87	62	313382	50.034	ug/l	97
5) Bromomethane	2.18	94	54286	49.068	ug/l	95
6) Chloroethane	2.30	64	93507	61.965	ug/l	99
7) Trichlorofluoromethane	2.55	101	393394	52.328	ug/l	99
8) Diethyl Ether	2.90	74	162193	48.913	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.18	101	512547	50.264	ug/l	99
10) Methyl Iodide	3.34	142	675672	46.401	ug/l	98
11) Tert butyl alcohol	4.10	59	117554	253.050	ug/l	100
12) 1,1-Dichloroethene	3.15	96	420833	48.654	ug/l	96
13) Acrolein	3.06	56	143196	222.591	ug/l	100
14) Allyl chloride	3.66	41	709520	50.291	ug/l	99
15) Acrylonitrile	4.23	53	410902	231.007	ug/l	97
16) Acetone	3.25	43	551376	264.943	ug/l	100
17) Carbon Disulfide	3.41	76	1534514	50.048	ug/l	100
18) Methyl Acetate	3.68	43	198841	46.663	ug/l	98
19) Methyl tert-butyl Ether	4.28	73	746678	49.078	ug/l	99
20) Methylene Chloride	3.84	84	492042	49.797	ug/l	99
21) trans-1,2-Dichloroethene	4.26	96	490856	52.128	ug/l	99
22) Diisopropyl ether	5.15	45	1399227	46.709	ug/l	95
23) Vinyl Acetate	5.09	43	3585403	227.910	ug/l	99
24) 1,1-Dichloroethane	5.02	63	806454	50.477	ug/l	99
25) 2-Butanone	6.11	43	621181	240.615	ug/l	100
26) 2,2-Dichloropropane	6.06	77	606283	51.082	ug/l	99
27) cis-1,2-Dichloroethene	6.08	96	506589	47.448	ug/l	98
28) Bromochloromethane	6.47	49	307221	45.780	ug/l #	95
29) Tetrahydrofuran	6.49	42	298689	224.773	ug/l	99
30) Chloroform	6.70	83	753520	48.628	ug/l	98
31) Cyclohexane	6.98	56	668339	48.570	ug/l	99
32) 1,1,1-Trichloroethane	6.90	97	684559	51.592	ug/l	99
36) 1,1-Dichloropropene	7.18	75	611896	50.985	ug/l	98
37) Ethyl Acetate	6.22	43	284769	46.157	ug/l	96
38) Carbon Tetrachloride	7.14	117	691589	53.638	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	651038	49.626	ug/l	98
40) Benzene	7.48	78	1544157	50.522	ug/l	99
41) Methacrylonitrile	6.47	41	145503m	37.751	ug/l	
42) 1,2-Dichloroethane	7.60	62	423612	49.259	ug/l	100
43) Isopropyl Acetate	9.27	43	394385	45.848	ug/l	98
44) Trichloroethene	8.57	130	560879	53.584	ug/l	96
45) 1,2-Dichloropropane	8.96	63	410522	50.734	ug/l	97
46) Dibromomethane	9.09	93	270599	51.846	ug/l	98
47) Bromodichloromethane	9.39	83	599807	52.685	ug/l	99
48) Methyl methacrylate	9.15	41	239404	49.537	ug/l	100
49) 1,4-Dioxane	9.10	88	53855	1064.473	ug/l	96
51) 4-Methyl-2-Pentanone	10.32	43	1220427	233.032	ug/l	100
52) Toluene	10.54	92	930668	47.395	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	545631	52.080	ug/l	100
54) cis-1,3-Dichloropropene	10.06	75	668181	51.434	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	309323	47.634	ug/l	99
56) Ethyl methacrylate	11.06	69	335141	48.683	ug/l	97
57) 1,3-Dichloropropane	11.43	76	492502	52.165	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	787313	214.140	ug/l	100
59) 2-Hexanone	11.55	43	949720	258.692	ug/l	99
60) Dibromochloromethane	11.71	129	462706	49.405	ug/l	97
61) 1,2-Dibromoethane	11.83	107	369648	48.454	ug/l	97
64) Tetrachloroethene	11.28	164	407473	47.483	ug/l	97
65) Chlorobenzene	12.42	112	1234273	49.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	432480	48.287	ug/l	99
67) Ethyl Benzene	12.54	91	1712836	47.132	ug/l	99
68) m/p-Xylenes	12.68	106	1265034	87.127	ug/l	96
69) o-Xylene	13.07	106	639797	46.910	ug/l	93
70) Styrene	13.09	104	1040557	45.728	ug/l	99
71) Bromoform	13.24	173	280672	49.512	ug/l	98
73) Isopropylbenzene	13.42	105	1632498	45.784	ug/l	100
74) N-amyl acetate	13.27	43	523548	49.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	337482	45.636	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	373292	49.921	ug/l	99
77) Bromobenzene	13.69	156	451511	48.445	ug/l	95
78) n-propylbenzene	13.79	91	2111118	51.462	ug/l	100
79) 2-Chlorotoluene	13.85	91	1052639	44.929	ug/l	100
80) 1,3,5-Trimethylbenzene	14.25	105	1307666	48.359	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.49	75	114039	51.531	ug/l	98
82) 4-Chlorotoluene	13.96	91	1291240	50.248	ug/l	99
83) tert-Butylbenzene	14.20	119	1609766	51.994	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	1307666	48.359	ug/l	96
85) sec-Butylbenzene	14.38	105	1776886	49.506	ug/l	95
86) p-Isopropyltoluene	14.50	119	1524071	52.132	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	844613	53.341	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	827774	52.642	ug/l	98
89) n-Butylbenzene	14.81	91	1398080	56.363	ug/l	98
90) Hexachloroethane	15.02	117	417952	49.572	ug/l	74
91) 1,2-Dichlorobenzene	14.82	146	686451	50.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	43106	49.814	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	352054	44.194	ug/l	97
94) Hexachlorobutadiene	16.05	225	271803	53.159	ug/l	99
95) Naphthalene	16.14	128	567718	45.766	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	213830	47.799	ug/l	98

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

