

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061422.D
 Acq On : 29 Mar 2019 11:18
 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
 4/1/2019 4:05:14 AM

Quant Time: Mar 29 22:42:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	737045	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1189249	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	979655	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	447722	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	320232	50.86	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	6.93	113	478236	52.62	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.42	98	1168512	53.61	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	13.56	95	427760	51.18	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	400302	50.856	ug/l	99
3) Chloromethane	1.77	50	302350	47.099	ug/l	98
4) Vinyl Chloride	1.86	62	283905	48.167	ug/l	99
5) Bromomethane	2.17	94	71562	61.226	ug/l	96
6) Chloroethane	2.29	64	102644	59.383	ug/l	99
7) Trichlorofluoromethane	2.54	101	447822	52.248	ug/l	100
8) Diethyl Ether	2.89	74	129899	47.072	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	456193	49.508	ug/l	96
10) Methyl Iodide	3.32	142	662493	47.480	ug/l	98
11) Tert butyl alcohol	4.07	59	91854	234.260	ug/l	96
12) 1,1-Dichloroethene	3.14	96	393579	49.750	ug/l	97
13) Acrolein	3.05	56	77516	260.424	ug/l	95
14) Allyl chloride	3.64	41	566654	51.354	ug/l	98
15) Acrylonitrile	4.21	53	338497	248.728	ug/l	95
16) Acetone	3.23	43	455103	281.184	ug/l	97
17) Carbon Disulfide	3.39	76	1183683	46.051	ug/l	99
18) Methyl Acetate	3.66	43	161066	47.330	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	663172	48.427	ug/l	99
20) Methylene Chloride	3.83	84	423214	46.544	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	426505	49.935	ug/l	98
22) Diisopropyl ether	5.13	45	1128413	48.326	ug/l	99
23) Vinyl Acetate	5.07	43	3016948	237.860	ug/l	99
24) 1,1-Dichloroethane	4.99	63	677547	49.374	ug/l	99
25) 2-Butanone	6.08	43	489219	240.289	ug/l	98
26) 2,2-Dichloropropane	6.04	77	542781	49.757	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	439600	46.976	ug/l	98
28) Bromochloromethane	6.45	49	277284	50.057	ug/l #	97
29) Tetrahydrofuran	6.46	42	233873	236.997	ug/l	99
30) Chloroform	6.68	83	739238	52.135	ug/l	99
31) Cyclohexane	6.97	56	520424	47.991	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	626771	50.105	ug/l	94
36) 1,1-Dichloropropene	7.16	75	524569	50.539	ug/l	98
37) Ethyl Acetate	6.20	43	237315	53.461	ug/l	98
38) Carbon Tetrachloride	7.12	117	620544m	52.028	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	561920	51.981	ug/l	97
40) Benzene	7.47	78	1341146	51.484	ug/l	96
41) Methacrylonitrile	6.46	41	269055	51.838	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	400104	51.347	ug/l	100
43) Isopropyl Acetate	9.25	43	324576	50.254	ug/l #	99
44) Trichloroethene	8.55	130	503829	51.972	ug/l	99
45) 1,2-Dichloropropane	8.94	63	305858	46.304	ug/l	96
46) Dibromomethane	9.07	93	230926	51.941	ug/l	94
47) Bromodichloromethane	9.39	83	544910	54.607	ug/l	95
48) Methyl methacrylate	9.13	41	171788	48.194	ug/l	99
49) 1,4-Dioxane	9.08	88	38942	990.485	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1003649	255.418	ug/l	98
52) Toluene	10.52	92	739278	46.518	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	440650	48.604	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	580096	52.547	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	279073	50.212	ug/l	99
56) Ethyl methacrylate	11.05	69	295943	49.566	ug/l	100
57) 1,3-Dichloropropane	11.41	76	391589	47.936	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	703466	241.935	ug/l	97
59) 2-Hexanone	11.53	43	721992	253.598	ug/l	100
60) Dibromochloromethane	11.69	129	420693	49.100	ug/l	98
61) 1,2-Dibromoethane	11.81	107	313091	48.649	ug/l	99
64) Tetrachloroethene	11.27	164	387548	50.406	ug/l	98
65) Chlorobenzene	12.41	112	1012745	50.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	384438	49.593	ug/l	97
67) Ethyl Benzene	12.53	91	1519383	49.719	ug/l	98
68) m/p-Xylenes	12.67	106	1109623	95.856	ug/l	95
69) o-Xylene	13.05	106	541599	48.213	ug/l	98
70) Styrene	13.08	104	914100	46.680	ug/l	98
71) Bromoform	13.23	173	229858	46.776	ug/l	99
73) Isopropylbenzene	13.40	105	1470338	47.185	ug/l	97
74) N-amyl acetate	13.26	43	337744	38.908	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	290990	44.268	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	279484	43.214	ug/l	98
77) Bromobenzene	13.68	156	409635	44.343	ug/l	81
78) n-propylbenzene	13.78	91	1796480	47.110	ug/l	97
79) 2-Chlorotoluene	13.85	91	965005	46.606	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1273248	52.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94516	47.931	ug/l	96
82) 4-Chlorotoluene	13.95	91	1178704	52.354	ug/l	98
83) tert-Butylbenzene	14.19	119	1438126	47.596	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1158461	44.258	ug/l	99
85) sec-Butylbenzene	14.37	105	1517988	47.291	ug/l	100
86) p-Isopropyltoluene	14.49	119	1436535	52.925	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	701099	44.817	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	743313	48.724	ug/l	99
89) n-Butylbenzene	14.80	91	1197946	48.086	ug/l	99
90) Hexachloroethane	15.01	117	396078	51.653	ug/l	72
91) 1,2-Dichlorobenzene	14.81	146	584998	45.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	38380	49.782	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	272369	46.597	ug/l	97
94) Hexachlorobutadiene	16.04	225	226396	49.566	ug/l	98
95) Naphthalene	16.13	128	377609	42.382	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118542	46.087	ug/l	95

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

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