

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060812.D
 Acq On : 1 Feb 2019 11:23
 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
 2/4/2019 4:42:38 PM

Quant Time: Feb 02 00:30:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	615782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	914259	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	671133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.31	152	339864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	470590	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	6.68	113	403202	45.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	10.18	98	915115	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
62) 4-Bromofluorobenzene	13.35	95	448935	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	455086	60.784	ug/l	100
3) Chloromethane	1.77	50	228798	51.042	ug/l	95
4) Vinyl Chloride	1.87	62	260911	54.836	ug/l	93
5) Bromomethane	2.17	94	91836	61.100	ug/l	100
6) Chloroethane	2.26	64	128297	80.592	ug/l	91
7) Trichlorofluoromethane	2.51	101	607586	64.870	ug/l	98
8) Diethyl Ether	2.83	74	70448	51.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	300375	63.281	ug/l	95
10) Methyl Iodide	3.23	142	302376	60.845	ug/l	94
11) Tert butyl alcohol	3.93	59	101174	224.258	ug/l #	87
12) 1,1-Dichloroethene	3.07	96	200783	61.900	ug/l	91
13) Acrolein	2.97	56	39679	260.983	ug/l	90
14) Allyl chloride	3.51	41	438501	58.091	ug/l	98
15) Acrylonitrile	4.05	53	221653	219.272	ug/l	98
16) Acetone	3.14	43	397559	291.569	ug/l	98
17) Carbon Disulfide	3.30	76	650807	56.642	ug/l	96
18) Methyl Acetate	3.53	43	132999	49.204	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	730018	49.296	ug/l	97
20) Methylene Chloride	3.69	84	282091	46.745	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	291954	51.058	ug/l	98
22) Diisopropyl ether	4.90	45	956428	49.169	ug/l	94
23) Vinyl Acetate	4.83	43	2697462	240.808	ug/l	100
24) 1,1-Dichloroethane	4.78	63	681838	53.545	ug/l	99
25) 2-Butanone	5.84	43	402020	230.353	ug/l	96
26) 2,2-Dichloropropane	5.80	77	800303	59.647	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	315511	48.447	ug/l	90
28) Bromochloromethane	6.20	49	241415	48.598	ug/l	93
29) Tetrahydrofuran	6.23	42	186133	222.089	ug/l	98
30) Chloroform	6.43	83	789395	52.449	ug/l	96
31) Cyclohexane	6.72	56	473984	54.707	ug/l	96
32) 1,1,1-Trichloroethane	6.64	97	845311	58.322	ug/l	99
36) 1,1-Dichloropropene	6.91	75	551394	50.512	ug/l	99
37) Ethyl Acetate	5.94	43	199747	40.992	ug/l	97
38) Carbon Tetrachloride	6.87	117	746298	54.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	474938	51.953	ug/l	92
40) Benzene	7.22	78	970938	45.066	ug/l	97
41) Methacrylonitrile	6.21	41	118999m	38.453	ug/l	
42) 1,2-Dichloroethane	7.34	62	626483	50.054	ug/l	98
43) Isopropyl Acetate	9.00	43	272740	42.914	ug/l #	97
44) Trichloroethene	8.30	130	366046	50.118	ug/l	98
45) 1,2-Dichloropropane	8.70	63	280525	48.100	ug/l	100
46) Dibromomethane	8.83	93	221537	48.932	ug/l	94
47) Bromodichloromethane	9.14	83	612122	50.090	ug/l	98
48) Methyl methacrylate	8.88	41	192580	43.941	ug/l	94
49) 1,4-Dioxane	8.85	88	28953	769.952	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	885299	215.100	ug/l	99
52) Toluene	10.28	92	626738	45.860	ug/l	98
53) t-1,3-Dichloropropene	10.68	75	506382	47.108	ug/l	95
54) cis-1,3-Dichloropropene	9.80	75	529715	48.055	ug/l	96
55) 1,1,2-Trichloroethane	10.96	97	210827	45.247	ug/l	99
56) Ethyl methacrylate	10.81	69	234844	41.606	ug/l	93
57) 1,3-Dichloropropane	11.18	76	358502	45.020	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.62	63	640747	216.353	ug/l	97
59) 2-Hexanone	11.31	43	669204	216.246	ug/l	97
60) Dibromochloromethane	11.46	129	385417	46.011	ug/l	100
61) 1,2-Dibromoethane	11.59	107	241719	44.050	ug/l	99
64) Tetrachloroethene	11.03	164	302114	49.049	ug/l	96
65) Chlorobenzene	12.18	112	730371	47.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	341941	51.894	ug/l	99
67) Ethyl Benzene	12.31	91	1466795	53.186	ug/l	99
68) m/p-Xylenes	12.45	106	904643	100.824	ug/l	96
69) o-Xylene	12.84	106	403179	45.401	ug/l	90
70) Styrene	12.86	104	700802	47.059	ug/l	95
71) Bromoform	13.02	173	216583	43.626	ug/l	96
73) Isopropylbenzene	13.19	105	1426585	52.646	ug/l	99
74) N-amyl acetate	13.05	43	336669	40.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	213884	43.349	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	280912	45.074	ug/l	99
77) Bromobenzene	13.46	156	334451	48.014	ug/l	86
78) n-propylbenzene	13.57	91	1792627	52.698	ug/l	97
79) 2-Chlorotoluene	13.63	91	1084546	52.272	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	1240783	53.189	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.26	75	68517	42.169	ug/l	86
82) 4-Chlorotoluene	13.74	91	1185440	51.407	ug/l	95
83) tert-Butylbenzene	13.98	119	1272262	52.128	ug/l	97
84) 1,2,4-Trimethylbenzene	14.03	105	1240783	53.189	ug/l	98
85) sec-Butylbenzene	14.16	105	1495104	53.815	ug/l	99
86) p-Isopropyltoluene	14.28	119	1275704	56.557	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	607757	48.781	ug/l	96
88) 1,4-Dichlorobenzene	14.33	146	578798	47.813	ug/l	98
89) n-Butylbenzene	14.59	91	1169078	49.676	ug/l	98
90) Hexachloroethane	14.81	117	357336	53.236	ug/l	95
91) 1,2-Dichlorobenzene	14.61	146	453765	43.879	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	57842	49.345	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	425900	47.563	ug/l	99
94) Hexachlorobutadiene	15.84	225	350429	52.159	ug/l	99
95) Naphthalene	15.92	128	588723	42.791	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	327351	42.042	ug/l	98

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

