

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060076.D
 Acq On : 24 Sep 2018 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

apatel
 9/25/2018 3:30:52 PM

Quant Time: Sep 24 15:35:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1670611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2435873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1891745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1011033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	692075	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	6.29	113	967379	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	9.43	98	2690925	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.42	95	1026743	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	889217	50.424	ug/l	99
3) Chloromethane	1.75	50	841173	54.000	ug/l	99
4) Vinyl Chloride	1.85	62	696195	55.596	ug/l	100
5) Bromomethane	2.13	94	107855	72.765	ug/l	90
6) Chloroethane	2.24	64	190882	68.183	ug/l	97
7) Trichlorofluoromethane	2.50	101	783213	56.810	ug/l	98
8) Diethyl Ether	2.81	74	169743	57.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	517305	59.505	ug/l	99
10) Methyl Iodide	3.22	142	547727	59.487	ug/l	97
11) Tert butyl alcohol	3.94	59	241688	229.910	ug/l	96
12) 1,1-Dichloroethene	3.06	96	423317	61.584	ug/l	92
13) Acrolein	2.97	56	129849	199.464	ug/l	100
14) Allyl chloride	3.51	41	858739	59.238	ug/l	98
15) Acrylonitrile	4.06	53	1045251	263.414	ug/l	99
16) Acetone	3.14	43	687212	273.211	ug/l	97
17) Carbon Disulfide	3.29	76	1374489	58.035	ug/l	100
18) Methyl Acetate	3.53	43	295911	57.847	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	1681325	52.937	ug/l	99
20) Methylene Chloride	3.70	84	989700	56.191	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	961516	53.304	ug/l	95
22) Diisopropyl ether	4.83	45	3544634	53.605	ug/l	98
23) Vinyl Acetate	4.78	43	9887645	263.941	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1642291	55.344	ug/l	100
25) 2-Butanone	5.60	43	1584315	233.416	ug/l	99
26) 2,2-Dichloropropane	5.56	77	1293250	56.057	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	1043662	55.312	ug/l	100
28) Bromochloromethane	5.90	49	814200	57.081	ug/l	99
29) Tetrahydrofuran	5.93	42	907777	249.384	ug/l	99
30) Chloroform	6.08	83	1664024	55.296	ug/l	100
31) Cyclohexane	6.34	56	1441076	49.807	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1379192	55.259	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1224559	50.609	ug/l	99
37) Ethyl Acetate	5.67	43	810898	48.734	ug/l	98
38) Carbon Tetrachloride	6.47	117	1132374	50.133	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1414137	51.664	ug/l	97
40) Benzene	6.77	78	3175287	51.487	ug/l	99
41) Methacrylonitrile	5.91	41	487215m	55.905	ug/l	
42) 1,2-Dichloroethane	6.87	62	901634	48.691	ug/l	99
43) Isopropyl Acetate	8.32	43	1072966	48.161	ug/l #	100
44) Trichloroethene	7.71	130	982420	51.559	ug/l	99
45) 1,2-Dichloropropane	8.08	63	861964	52.270	ug/l	99
46) Dibromomethane	8.19	93	545469	50.695	ug/l	94
47) Bromodichloromethane	8.47	83	1205978	51.986	ug/l	99
48) Methyl methacrylate	8.22	41	605724	48.817	ug/l	98
49) 1,4-Dioxane	8.20	88	119439	969.162	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	3278774	219.722	ug/l	100
52) Toluene	9.52	92	2102687	53.192	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	1116114	51.586	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	1340140	51.841	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	668722	48.723	ug/l	98
56) Ethyl methacrylate	10.01	69	758862	49.848	ug/l	96
57) 1,3-Dichloropropane	10.36	76	1028083	50.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1921644	261.402	ug/l	100
59) 2-Hexanone	10.47	43	2452870	231.559	ug/l	98
60) Dibromochloromethane	10.62	129	851282	50.958	ug/l	99
61) 1,2-Dibromoethane	10.74	107	722277	50.969	ug/l	96
64) Tetrachloroethene	10.23	164	873931	52.360	ug/l	98
65) Chlorobenzene	11.29	112	2206219	54.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	739725	53.924	ug/l	98
67) Ethyl Benzene	11.41	91	3507849	53.594	ug/l	100
68) m/p-Xylenes	11.55	106	2639415	109.189	ug/l	99
69) o-Xylene	11.92	106	1315830	54.937	ug/l	95
70) Styrene	11.94	104	2189307	54.362	ug/l	99
71) Bromoform	12.10	173	632345	53.653	ug/l	98
73) Isopropylbenzene	12.26	105	3464161	52.243	ug/l	98
74) N-amyl acetate	12.12	43	1343024	51.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	772924	51.383	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	790511	51.195	ug/l	100
77) Bromobenzene	12.52	156	1019294	53.365	ug/l	93
78) n-propylbenzene	12.62	91	4454270	53.419	ug/l	98
79) 2-Chlorotoluene	12.69	91	2413577	51.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	2719899	53.517	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	241176	51.742	ug/l	94
82) 4-Chlorotoluene	12.80	91	2725073	52.666	ug/l	93
83) tert-Butylbenzene	13.04	119	3183369	54.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	2928707	54.000	ug/l	97
85) sec-Butylbenzene	13.21	105	3803876	54.425	ug/l	97
86) p-Isopropyltoluene	13.33	119	3083362	54.545	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1829226	55.072	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1764888	52.386	ug/l	98
89) n-Butylbenzene	13.64	91	2982666	57.999	ug/l	98
90) Hexachloroethane	13.84	117	769688	54.973	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	1484037	56.557	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	107672	46.953	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1259921	53.229	ug/l	98
94) Hexachlorobutadiene	14.87	225	859167	54.872	ug/l	100
95) Naphthalene	14.95	128	1857675	50.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1063876	51.003	ug/l	99

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

