

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059921.D
 Acq On : 30 Aug 2018 11:48
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/31/2018 12:29:40 PM

Quant Time: Aug 30 18:08:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1243549	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1710569	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1441646	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	745314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	536449	51.18	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	6.31	113	689437	51.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	9.45	98	1993103	53.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.42	95	788406	52.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	521857	46.95	ug/l	98
3) Chloromethane	1.75	50	456989	45.38	ug/l	99
4) Vinyl Chloride	1.84	62	388733	49.23	ug/l	98
5) Bromomethane	2.12	94	59529	43.67	ug/l	92
6) Chloroethane	2.24	64	122343	47.38	ug/l	99
7) Trichlorofluoromethane	2.49	101	469234	51.37	ug/l	100
8) Diethyl Ether	2.80	74	106314	51.88	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	295263	52.78	ug/l	98
10) Methyl Iodide	3.23	142	292499	49.14	ug/l	99
11) Tert butyl alcohol	3.95	59	214069	267.67	ug/l	98
12) 1,1-Dichloroethene	3.05	96	226052	51.91	ug/l	97
13) Acrolein	2.96	56	74336	214.31	ug/l	95
14) Allyl chloride	3.51	41	521352	52.92	ug/l	98
15) Acrylonitrile	4.06	53	797879	266.42	ug/l	100
16) Acetone	3.14	43	572075	299.59	ug/l	99
17) Carbon Disulfide	3.30	76	673639	49.83	ug/l	99
18) Methyl Acetate	3.53	43	216775	54.38	ug/l	100
19) Methyl tert-butyl Ether	4.10	73	1252136	50.82	ug/l	98
20) Methylene Chloride	3.70	84	751261	59.66	ug/l	95
21) trans-1,2-Dichloroethene	4.07	96	612379	51.04	ug/l	98
22) Diisopropyl ether	4.84	45	2585378	51.45	ug/l	96
23) Vinyl Acetate	4.78	43	7427630	264.43	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1112716	51.26	ug/l	99
25) 2-Butanone	5.61	43	1603318	283.50	ug/l	97
26) 2,2-Dichloropropane	5.57	77	916613	50.51	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	688939	52.44	ug/l	94
28) Bromochloromethane	5.90	49	530450	50.99	ug/l	95
29) Tetrahydrofuran	5.93	42	702357	260.86	ug/l	98
30) Chloroform	6.08	83	1113125	50.46	ug/l	97
31) Cyclohexane	6.35	56	949245	47.57	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	941030	50.26	ug/l	99
36) 1,1-Dichloropropene	6.50	75	810789	52.29	ug/l	98
37) Ethyl Acetate	5.69	43	652913	54.11	ug/l	97
38) Carbon Tetrachloride	6.48	117	817711	52.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	892261	53.26	ug/l	99
40) Benzene	6.78	78	2147385	53.26	ug/l	99
41) Methacrylonitrile	5.91	41	303283m	49.90	ug/l	
42) 1,2-Dichloroethane	6.88	62	682543	52.73	ug/l	99
43) Isopropyl Acetate	8.33	43	839538	53.48	ug/l	100
44) Trichloroethene	7.72	130	633746	53.38	ug/l	97
45) 1,2-Dichloropropane	8.09	63	602629	53.47	ug/l	97
46) Dibromomethane	8.21	93	383663	52.94	ug/l	92
47) Bromodichloromethane	8.48	83	859207	52.37	ug/l	99
48) Methyl methacrylate	8.24	41	478897	52.33	ug/l	99
49) 1,4-Dioxane	8.22	88	90692	1110.09	ug/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	3326137	284.21	ug/l	100
52) Toluene	9.53	92	1376086	53.22	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	817650	53.89	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	950821	54.05	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	481069	50.90	ug/l	98
56) Ethyl methacrylate	10.03	69	589278	54.03	ug/l	97
57) 1,3-Dichloropropane	10.37	76	746545	54.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1470652	281.07	ug/l	97
59) 2-Hexanone	10.48	43	2445641	283.32	ug/l	100
60) Dibromochloromethane	10.64	129	640275	53.90	ug/l	99
61) 1,2-Dibromoethane	10.75	107	520326	54.45	ug/l	98
64) Tetrachloroethene	10.24	164	596437	53.51	ug/l	98
65) Chlorobenzene	11.31	112	1518785	53.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	547534	52.31	ug/l	100
67) Ethyl Benzene	11.42	91	2506744	52.01	ug/l	98
68) m/p-Xylenes	11.56	106	1867495	106.42	ug/l	96
69) o-Xylene	11.93	106	924849	53.89	ug/l	98
70) Styrene	11.96	104	1597351	53.75	ug/l	98
71) Bromoform	12.11	173	488485	53.94	ug/l #	97
73) Isopropylbenzene	12.27	105	2528033	53.14	ug/l	98
74) N-amyl acetate	12.13	43	1069265	51.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	612869	55.69	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	633405	54.68	ug/l	100
77) Bromobenzene	12.54	156	737572	55.92	ug/l	91
78) n-propylbenzene	12.63	91	3176715	52.73	ug/l	98
79) 2-Chlorotoluene	12.70	91	1771418	51.99	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1916098	50.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	186007	51.62	ug/l	93
82) 4-Chlorotoluene	12.80	91	1972678	50.76	ug/l	92
83) tert-Butylbenzene	13.05	119	2318567	53.81	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2102934	53.34	ug/l	100
85) sec-Butylbenzene	13.21	105	2696161	53.21	ug/l	99
86) p-Isopropyltoluene	13.34	119	2202606	53.45	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1260521	53.53	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1265193	53.85	ug/l	99
89) n-Butylbenzene	13.64	91	2174684	56.85	ug/l	97
90) Hexachloroethane	13.85	117	572799	51.77	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	1085798	54.22	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	89611	52.96	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	934492	54.51	ug/l	97
94) Hexachlorobutadiene	14.88	225	615592	54.77	ug/l	98
95) Naphthalene	14.97	128	1418565	54.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	788238	53.76	ug/l	99

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

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