

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057986.D
 Acq On : 7 Jun 2018 21:59
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/8/2018 9:22:36 AM

Quant Time: Jun 08 08:10:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	911516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1255228	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1015073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	504483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	459126	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	5.54	113	494289	50.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	8.70	98	1136498	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.92	95	492092	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	575964	47.080	ug/l	99
3) Chloromethane	1.49	50	303749	50.414	ug/l	99
4) Vinyl Chloride	1.56	62	308140	52.835	ug/l	97
5) Bromomethane	1.80	94	113500	49.655	ug/l	96
6) Chloroethane	1.89	64	129066	56.091	ug/l #	86
7) Trichlorofluoromethane	2.09	101	412657	51.761	ug/l	97
8) Diethyl Ether	2.35	74	89300	60.297	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	251062	52.797	ug/l	95
10) Methyl Iodide	2.69	142	336820	54.894	ug/l	90
11) Tert butyl alcohol	3.26	59	69860m	286.168	ug/l	
12) 1,1-Dichloroethene	2.55	96	192824	52.745	ug/l	95
13) Acrolein	2.47	56	89549	256.135	ug/l	99
14) Allyl chloride	2.92	41	458274	54.342	ug/l	97
15) Acrylonitrile	3.35	53	403968	282.861	ug/l	94
16) Acetone	2.62	43	339219	258.369	ug/l	96
17) Carbon Disulfide	2.76	76	719987	54.365	ug/l	98
18) Methyl Acetate	2.93	43	143846	56.636	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	888943	55.262	ug/l	98
20) Methylene Chloride	3.07	84	217431	60.282	ug/l	90
21) trans-1,2-Dichloroethene	3.38	96	428317	52.602	ug/l	97
22) Diisopropyl ether	4.06	45	1829711	54.766	ug/l	91
23) Vinyl Acetate	4.01	43	4958449	287.244	ug/l	100
24) 1,1-Dichloroethane	3.97	63	963176	52.456	ug/l	98
25) 2-Butanone	4.83	43	795585	266.637	ug/l	97
26) 2,2-Dichloropropane	4.79	77	732911	48.455	ug/l	94
27) cis-1,2-Dichloroethene	4.80	96	498997	51.670	ug/l	96
28) Bromochloromethane	5.14	49	466093	58.649	ug/l	99
29) Tetrahydrofuran	5.19	42	451268	288.513	ug/l	98
30) Chloroform	5.31	83	993426	53.758	ug/l	97
31) Cyclohexane	5.59	56	747024	47.143	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	821987	53.125	ug/l	97
36) 1,1-Dichloropropene	5.74	75	706878	51.115	ug/l	99
37) Ethyl Acetate	4.92	43	432033	57.254	ug/l	96
38) Carbon Tetrachloride	5.72	117	691890	50.765	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	695005	50.696	ug/l	98
40) Benzene	6.01	78	1599782	49.520	ug/l	100
41) Methacrylonitrile	5.12	41	203917	59.101	ug/l #	95
42) 1,2-Dichloroethane	6.12	62	690752	52.883	ug/l	99
43) Isopropyl Acetate	7.61	43	552656	55.914	ug/l #	96
44) Trichloroethene	6.98	130	477576	50.610	ug/l	99
45) 1,2-Dichloropropane	7.34	63	466202	51.922	ug/l	95
46) Dibromomethane	7.46	93	309182	53.603	ug/l	98
47) Bromodichloromethane	7.73	83	717581	53.133	ug/l	95
48) Methyl methacrylate	7.50	41	329787	54.210	ug/l	100
49) 1,4-Dioxane	7.48	88	56988	1130.779	ug/l	94
51) 4-Methyl-2-Pentanone	8.59	43	1758115	277.319	ug/l	99
52) Toluene	8.79	92	940070	50.703	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	642562	55.224	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	745329	54.372	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	321849	53.636	ug/l	96
56) Ethyl methacrylate	9.30	69	412250	56.007	ug/l	95
57) 1,3-Dichloropropane	9.65	76	551813	52.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	961237	258.480	ug/l	100
59) 2-Hexanone	9.77	43	1265411	272.368	ug/l	97
60) Dibromochloromethane	9.95	129	488489	57.729	ug/l	95
61) 1,2-Dibromoethane	10.09	107	379811	55.040	ug/l	95
64) Tetrachloroethene	9.51	164	465759	51.325	ug/l	98
65) Chlorobenzene	10.72	112	1046916	50.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	409794	51.905	ug/l	99
67) Ethyl Benzene	10.85	91	1852794	49.907	ug/l	100
68) m/p-Xylenes	11.00	106	1193591	98.621	ug/l	93
69) o-Xylene	11.40	106	602106	50.120	ug/l	99
70) Styrene	11.43	104	982667	49.412	ug/l	100
71) Bromoform	11.59	173	345485	58.169	ug/l	96
73) Isopropylbenzene	11.76	105	1606943	48.091	ug/l	97
74) N-amyl acetate	11.64	43	706464	54.791	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	409149	56.161	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	420266	55.458	ug/l	98
77) Bromobenzene	12.04	156	519894	52.563	ug/l	83
78) n-propylbenzene	12.15	91	2182440	50.193	ug/l	97
79) 2-Chlorotoluene	12.20	91	1256275	50.646	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1301064	49.928	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	102000	54.343	ug/l	98
82) 4-Chlorotoluene	12.32	91	1338118	55.841	ug/l	90
83) tert-Butylbenzene	12.57	119	1505533	51.166	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	1385871	49.462	ug/l	98
85) sec-Butylbenzene	12.75	105	1775365	49.995	ug/l	97
86) p-Isopropyltoluene	12.88	119	1411444	49.315	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	857581	51.257	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	826562	50.704	ug/l	97
89) n-Butylbenzene	13.19	91	1385842	54.113	ug/l	98
90) Hexachloroethane	13.40	117	395225	54.103	ug/l	87
91) 1,2-Dichlorobenzene	13.19	146	673993	49.848	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	68981	61.351	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	662201	52.422	ug/l	99
94) Hexachlorobutadiene	14.43	225	504073	50.732	ug/l	97
95) Naphthalene	14.51	128	904444	55.532	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	576498	53.551	ug/l	95

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

