

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062616.D
 Acq On : 5 Jun 2019 16:35
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:21:34 PM

Quant Time: Jun 06 05:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	783404	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1081754	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	895697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	509825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	1165776	108.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	216.98%	
35) Dibromofluoromethane	6.94	113	1176223	106.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	213.96%	
50) Toluene-d8	10.42	98	2516959	106.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	212.54%	
62) 4-Bromofluorobenzene	13.56	95	1157212	103.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	207.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	763054	78.745	ug/l	98
3) Chloromethane	1.75	50	598760	79.147	ug/l	98
4) Vinyl Chloride	1.86	62	678524	91.459	ug/l	98
5) Bromomethane	2.15	94	278285	76.369	ug/l	98
6) Chloroethane	2.26	64	328270	87.674	ug/l	92
7) Trichlorofluoromethane	2.54	101	1474300	89.017	ug/l	98
8) Diethyl Ether	2.88	74	198458	92.206	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	847761	91.045	ug/l	95
10) Methyl Iodide	3.30	142	1195917	100.347	ug/l	99
11) Tert butyl alcohol	4.10	59	237320	493.195	ug/l	99
12) 1,1-Dichloroethene	3.13	96	632322	92.663	ug/l	94
13) Acrolein	3.05	56	84241	495.049	ug/l	98
14) Allyl chloride	3.63	41	1030983	99.133	ug/l	96
15) Acrylonitrile	4.21	53	513295	489.329	ug/l	90
16) Acetone	3.23	43	961112	497.699	ug/l	98
17) Carbon Disulfide	3.38	76	1966169	98.871	ug/l	98
18) Methyl Acetate	3.66	43	283087	82.437	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	1635227	98.825	ug/l	97
20) Methylene Chloride	3.83	84	649301	86.385	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	734919	98.791	ug/l	98
22) Diisopropyl ether	5.13	45	2084271	94.871	ug/l	97
23) Vinyl Acetate	5.08	43	6452487	482.781	ug/l	98
24) 1,1-Dichloroethane	5.00	63	1316873	95.135	ug/l	98
25) 2-Butanone	6.09	43	921339	502.248	ug/l	94
26) 2,2-Dichloropropane	6.04	77	1447887	95.727	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	773648	96.488	ug/l	91
28) Bromochloromethane	6.45	49	596878	113.977	ug/l	90
29) Tetrahydrofuran	6.47	42	414906	487.226	ug/l	99
30) Chloroform	6.68	83	1647590	95.701	ug/l	96
31) Cyclohexane	6.97	56	906327	102.424	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	1696206	97.322	ug/l	96
36) 1,1-Dichloropropene	7.16	75	1094340	94.091	ug/l	99
37) Ethyl Acetate	6.20	43	446919	95.222	ug/l #	96
38) Carbon Tetrachloride	7.12	117	1714001m	97.223	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	963304	96.874	ug/l	98
40) Benzene	7.47	78	2201253	95.827	ug/l	100
41) Methacrylonitrile	6.46	41	577567	95.026	ug/l	97
42) 1,2-Dichloroethane	7.59	62	1257597	93.011	ug/l	98
43) Isopropyl Acetate	9.25	43	629278	97.549	ug/l #	98
44) Trichloroethene	8.55	130	899413	96.552	ug/l	96
45) 1,2-Dichloropropane	8.95	63	550611	95.724	ug/l	99
46) Dibromomethane	9.07	93	458812	91.685	ug/l	99
47) Bromodichloromethane	9.39	83	1303664	96.720	ug/l	99
48) Methyl methacrylate	9.13	41	413552	94.265	ug/l	93
49) 1,4-Dioxane	9.09	88	69658	2000.657	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	2032052	483.773	ug/l	100
52) Toluene	10.52	92	1485601	97.505	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	1099045	98.203	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	1125453	98.752	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	494656	94.631	ug/l	95
56) Ethyl methacrylate	11.05	69	566681	97.273	ug/l	94
57) 1,3-Dichloropropane	11.42	76	761287	93.282	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	1445529	483.786	ug/l	99
59) 2-Hexanone	11.54	43	1618432	508.149	ug/l	99
60) Dibromochloromethane	11.69	129	1002949	98.194	ug/l	99
61) 1,2-Dibromoethane	11.82	107	607860	94.946	ug/l	95
64) Tetrachloroethene	11.27	164	797625	98.604	ug/l	94
65) Chlorobenzene	12.41	112	1842736	99.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	872086	97.475	ug/l	96
67) Ethyl Benzene	12.53	91	3155980	93.818	ug/l	100
68) m/p-Xylenes	12.68	106	2364701	201.527	ug/l	93
69) o-Xylene	13.06	106	1066517	94.333	ug/l	95
70) Styrene	13.08	104	1834332	96.578	ug/l	98
71) Bromoform	13.25	173	629326	101.844	ug/l #	97
73) Isopropylbenzene	13.41	105	3405163	96.057	ug/l	95
74) N-amyl acetate	13.28	43	900637	98.393	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	588615	99.051	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	639247	96.121	ug/l	97
77) Bromobenzene	13.68	156	928541	94.169	ug/l	84
78) n-propylbenzene	13.78	91	3565272	86.721	ug/l	99
79) 2-Chlorotoluene	13.85	91	2268454	91.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	2904387	95.199	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	176353	103.162	ug/l	87
82) 4-Chlorotoluene	13.96	91	2706553	92.278	ug/l	97
83) tert-Butylbenzene	14.20	119	3272120	97.402	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	2815544	90.163	ug/l	100
85) sec-Butylbenzene	14.38	105	3260702	94.201	ug/l	96
86) p-Isopropyltoluene	14.50	119	3092992	92.942	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	1614691	97.570	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	1617408	96.502	ug/l	95
89) n-Butylbenzene	14.80	91	2907006	93.945	ug/l	99
90) Hexachloroethane	15.01	117	869494	99.272	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	1422056	93.061	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	119246	98.097	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1026300	93.473	ug/l	96
94) Hexachlorobutadiene	16.04	225	823195	99.955	ug/l	98
95) Naphthalene	16.13	128	1599018	101.702	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	816994	97.309	ug/l	97

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

