

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063831.D
 Acq On : 25 Sep 2019 19:15
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:26:18 AM

Quant Time: Sep 26 11:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	266776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	419513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	415436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	251425	100.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.18%	
35) Dibromofluoromethane	7.94	113	258755	97.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.32%	
50) Toluene-d8	10.36	98	1037914	103.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.08%	
62) 4-Bromofluorobenzene	12.64	95	359265	99.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	195900	107.071	ug/l	95
3) Chloromethane	2.22	50	427490	77.103	ug/l	98
4) Vinyl Chloride	2.36	62	487341	86.126	ug/l	97
5) Bromomethane	2.76	94	322783	97.498	ug/l	99
6) Chloroethane	2.93	64	319675	82.033	ug/l	96
7) Trichlorofluoromethane	3.29	101	678380	89.172	ug/l	98
8) Diethyl Ether	3.73	74	111338	89.755	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	208506	92.391	ug/l	98
10) Methyl Iodide	4.31	142	310193	115.127	ug/l	99
11) Tert butyl alcohol	5.29	59	88643	455.467	ug/l	99
12) 1,1-Dichloroethene	4.08	96	211680	92.922	ug/l	99
13) Acrolein	3.94	56	119882	505.948	ug/l	97
14) Allyl chloride	4.73	41	325741	90.462	ug/l	97
15) Acrylonitrile	5.46	53	270026	492.746	ug/l	97
16) Acetone	4.19	43	251422	445.889	ug/l	98
17) Carbon Disulfide	4.42	76	748504	97.198	ug/l	97
18) Methyl Acetate	4.74	43	122156	87.988	ug/l	98
19) Methyl tert-butyl Ether	5.51	73	552928	96.947	ug/l	96
20) Methylene Chloride	4.99	84	270910	79.853	ug/l	99
21) trans-1,2-Dichloroethene	5.49	96	256813	96.851	ug/l	93
22) Diisopropyl ether	6.40	45	667989	89.819	ug/l	99
23) Vinyl Acetate	6.33	43	2058663	468.004	ug/l	98
24) 1,1-Dichloroethane	6.29	63	418663	92.660	ug/l	97
25) 2-Butanone	7.25	43	337952	458.454	ug/l	98
26) 2,2-Dichloropropane	7.23	77	387877	91.794	ug/l	98
27) cis-1,2-Dichloroethene	7.24	96	286576	96.316	ug/l	99
28) Bromochloromethane	7.57	49	173223	97.703	ug/l #	97
29) Tetrahydrofuran	7.59	42	203844	461.503	ug/l	97
30) Chloroform	7.73	83	456485	93.016	ug/l	97
31) Cyclohexane	8.00	56	377858	83.778	ug/l	91
32) 1,1,1-Trichloroethane	7.93	97	428240	96.504	ug/l	96
36) 1,1-Dichloropropene	8.13	75	353417	92.359	ug/l	98
37) Ethyl Acetate	7.32	43	143296	89.664	ug/l	97
38) Carbon Tetrachloride	8.11	117	387637	97.328	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	452340	94.935	ug/l	97
40) Benzene	8.37	78	1005345	95.398	ug/l	97
41) Methacrylonitrile	7.55	41	84339	89.355	ug/l	96
42) 1,2-Dichloroethane	8.45	62	292786	95.009	ug/l	99
43) Isopropyl Acetate	8.48	43	297107	92.734	ug/l	99
44) Trichloroethene	9.13	130	294563	96.518	ug/l	92
45) 1,2-Dichloropropane	9.41	63	247762	95.174	ug/l	94
46) Dibromomethane	9.50	93	142244	96.810	ug/l	96
47) Bromodichloromethane	9.68	83	374127	98.775	ug/l	97
48) Methyl methacrylate	9.47	41	135393	92.914	ug/l	94
49) 1,4-Dioxane	9.48	88	41239	2011.901	ug/l	96
51) 4-Methyl-2-Pentanone	10.25	43	759931	470.829	ug/l	99
52) Toluene	10.42	92	702235	98.275	ug/l	99
53) t-1,3-Dichloropropene	10.64	75	377870	100.647	ug/l	99
54) cis-1,3-Dichloropropene	10.11	75	421665	98.942	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	202126	97.355	ug/l	95
56) Ethyl methacrylate	10.68	69	270916	102.666	ug/l	94
57) 1,3-Dichloropropane	10.96	76	340058	96.397	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.96	63	555830	471.276	ug/l	98
59) 2-Hexanone	11.00	43	544487	472.803	ug/l	99
60) Dibromochloromethane	11.16	129	283795	103.580	ug/l	99
61) 1,2-Dibromoethane	11.26	107	208170	100.298	ug/l	100
64) Tetrachloroethene	10.89	164	272273	97.296	ug/l	97
65) Chlorobenzene	11.68	112	798882	95.597	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.76	131	308377	100.410	ug/l	99
67) Ethyl Benzene	11.76	91	1456862	96.513	ug/l	97
68) m/p-Xylenes	11.87	106	1120692	193.334	ug/l	99
69) o-Xylene	12.20	106	531528	97.149	ug/l	99
70) Styrene	12.21	104	931239	100.569	ug/l	99
71) Bromoform	12.37	173	175929	103.118	ug/l	96
73) Isopropylbenzene	12.49	105	1439724	95.721	ug/l	100
74) N-amyl acetate	12.30	43	303391	92.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	232565	92.765	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	151907m	108.773	ug/l	
77) Bromobenzene	12.77	156	360255	99.664	ug/l	98
78) n-propylbenzene	12.83	91	1671800	94.477	ug/l	98
79) 2-Chlorotoluene	12.92	91	911867	95.539	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	1207693	96.319	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	81012	96.898	ug/l	95
82) 4-Chlorotoluene	13.02	91	942276	92.547	ug/l	98
83) tert-Butylbenzene	13.24	119	1068069	97.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1226713	96.370	ug/l	98
85) sec-Butylbenzene	13.41	105	1460954	95.834	ug/l	100
86) p-Isopropyltoluene	13.53	119	1426194	99.613	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	717224	101.058	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	690386	97.810	ug/l	97
89) n-Butylbenzene	13.86	91	1279835	93.923	ug/l	98
90) Hexachloroethane	14.13	117	264281	99.656	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	608710	99.989	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40061	94.705	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	473651	102.454	ug/l	98
94) Hexachlorobutadiene	15.28	225	265876	101.502	ug/l	99
95) Naphthalene	15.41	128	827096	99.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	409465	99.901	ug/l	99

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

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