

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065407.D
 Acq On : 04 Mar 2020 12:00
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:31 PM

Quant Time: Mar 05 02:34:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	503903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	650225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209166	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.92	113	223920	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	891560	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.64	95	278002	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199052	45.963	ug/l	100
3) Chloromethane	2.21	50	238198	45.557	ug/l	100
4) Vinyl Chloride	2.35	62	247990	48.087	ug/l	100
5) Bromomethane	2.77	94	153080	53.289	ug/l	100
6) Chloroethane	2.93	64	153708	48.665	ug/l	100
7) Trichlorofluoromethane	3.27	101	361546	47.578	ug/l	100
8) Diethyl Ether	3.71	74	107905	47.750	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	230990	47.198	ug/l	100
10) Methyl Iodide	4.30	142	276129	54.308	ug/l	100
11) Tert butyl alcohol	5.24	59	57450	231.713	ug/l	100
12) 1,1-Dichloroethene	4.06	96	223438	47.678	ug/l	100
13) Acrolein	3.93	56	96474	225.620	ug/l	100
14) Allyl chloride	4.71	41	354656	49.264	ug/l	100
15) Acrylonitrile	5.43	53	235575	239.624	ug/l	100
16) Acetone	4.17	43	199040	227.688	ug/l	100
17) Carbon Disulfide	4.40	76	757138	48.514	ug/l	100
18) Methyl Acetate	4.72	43	102830	46.372	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	451535	50.103	ug/l	100
20) Methylene Chloride	4.96	84	241022	50.828	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	256953	49.289	ug/l	100
22) Diisopropyl ether	6.37	45	682767	51.019	ug/l	100
23) Vinyl Acetate	6.31	43	1929080	259.609	ug/l	100
24) 1,1-Dichloroethane	6.27	63	418846	48.795	ug/l	100
25) 2-Butanone	7.22	43	284685	238.639	ug/l	100
26) 2,2-Dichloropropane	7.21	77	361935	48.250	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	266204	49.957	ug/l	100
28) Bromochloromethane	7.55	49	166343	48.436	ug/l	100
29) Tetrahydrofuran	7.57	42	188102	246.908	ug/l	100
30) Chloroform	7.71	83	421397	49.116	ug/l	100
31) Cyclohexane	7.98	56	410463	47.821	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	387736	48.903	ug/l	100
36) 1,1-Dichloropropene	8.11	75	349643	50.715	ug/l	100
37) Ethyl Acetate	7.30	43	129020	48.418	ug/l	100
38) Carbon Tetrachloride	8.10	117	355807	49.769	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	437089	52.492	ug/l	100
40) Benzene	8.36	78	981281	50.907	ug/l	100
41) Methacrylonitrile	7.53	41	61075	43.339	ug/l	100
42) 1,2-Dichloroethane	8.43	62	247293	49.130	ug/l	100
43) Isopropyl Acetate	8.46	43	245223	49.840	ug/l	100
44) Trichloroethene	9.11	130	275241	50.562	ug/l	100
45) 1,2-Dichloropropane	9.39	63	235467	50.429	ug/l	100
46) Dibromomethane	9.48	93	122576	50.610	ug/l	100
47) Bromodichloromethane	9.67	83	318302	50.517	ug/l	100
48) Methyl methacrylate	9.46	41	115345	49.837	ug/l	100
49) 1,4-Dioxane	9.47	88	27952	1008.959	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	629022	254.051	ug/l	100
52) Toluene	10.41	92	628958	51.795	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	300742	51.075	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	368135	51.651	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	168898	49.237	ug/l	100
56) Ethyl methacrylate	10.67	69	202507	52.366	ug/l	100
57) 1,3-Dichloropropane	10.95	76	289339	49.851	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	276532	228.978	ug/l	100
59) 2-Hexanone	10.99	43	441617	257.658	ug/l	100
60) Dibromochloromethane	11.14	129	219174	49.845	ug/l	100
61) 1,2-Dibromoethane	11.25	107	161206	49.268	ug/l	100
64) Tetrachloroethene	10.88	164	234171	50.259	ug/l	100
65) Chlorobenzene	11.68	112	645026	50.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	233881	49.908	ug/l	100
67) Ethyl Benzene	11.75	91	1169043	52.581	ug/l	100
68) m/p-Xylenes	11.86	106	908953	106.027	ug/l	100
69) o-Xylene	12.19	106	402159	53.330	ug/l	100
70) Styrene	12.20	104	706022	53.198	ug/l	100
71) Bromoform	12.37	173	128137	48.679	ug/l	100
73) Isopropylbenzene	12.48	105	1109602	53.864	ug/l	100
74) N-amyl acetate	12.30	43	217701	51.621	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	177727	49.082	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	121209m	49.046	ug/l	
77) Bromobenzene	12.77	156	260944	50.985	ug/l	100
78) n-propylbenzene	12.83	91	1307893	53.510	ug/l	100
79) 2-Chlorotoluene	12.91	91	716155	51.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	914413	53.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58647	50.079	ug/l	100
82) 4-Chlorotoluene	13.01	91	753705	52.068	ug/l	100
83) tert-Butylbenzene	13.23	119	759409	53.003	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	904382	54.175	ug/l	100
85) sec-Butylbenzene	13.41	105	1100008	53.786	ug/l	100
86) p-Isopropyltoluene	13.53	119	1015180	54.399	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	496688	50.477	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	489510	50.011	ug/l	100
89) n-Butylbenzene	13.86	91	936692	54.292	ug/l	100
90) Hexachloroethane	14.12	117	196420	51.109	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419627	50.113	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26622	48.275	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	289705	51.046	ug/l	100
94) Hexachlorobutadiene	15.28	225	189644	50.855	ug/l	100
95) Naphthalene	15.41	128	472900	47.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252322	51.449	ug/l	100

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

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