

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065976.D
 Acq On : 21 Jul 2020 12:10
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:27 PM

Quant Time: Jul 21 12:31:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	353803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	515136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	427352	148.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.58%	
35) Dibromofluoromethane	7.92	113	454205	146.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.52%	
50) Toluene-d8	10.34	98	1692698	146.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.62%	
62) 4-Bromofluorobenzene	12.64	95	582806	142.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	370750	130.254	ug/l	95
3) Chloromethane	2.21	50	326635	145.311	ug/l	99
4) Vinyl Chloride	2.35	62	308331	142.065	ug/l	99
5) Bromomethane	2.74	94	205349	110.671	ug/l	95
6) Chloroethane	2.91	64	186624	142.688	ug/l	96
7) Trichlorofluoromethane	3.27	101	757810	145.091	ug/l	99
8) Diethyl Ether	3.71	74	220741	164.180	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	457631	147.768	ug/l	99
10) Methyl Iodide	4.30	142	552307	326.458	ug/l	99
11) Tert butyl alcohol	5.23	59	130064	532.322	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	445928	151.670	ug/l	95
13) Acrolein	3.93	56	198341	840.116	ug/l	100
14) Allyl chloride	4.71	41	724996	160.647	ug/l	99
15) Acrylonitrile	5.43	53	482108	835.575	ug/l	98
16) Acetone	4.16	43	450236	774.182	ug/l	92
17) Carbon Disulfide	4.41	76	1436208	149.579	ug/l	99
18) Methyl Acetate	4.71	43	207568	155.151	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	988257	171.373	ug/l	98
20) Methylene Chloride	4.96	84	470760	117.330	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	507021	152.686	ug/l	95
22) Diisopropyl ether	6.36	45	1371158	160.490	ug/l	100
23) Vinyl Acetate	6.31	43	4060435	866.113	ug/l	97
24) 1,1-Dichloroethane	6.27	63	815157	152.538	ug/l	99
25) 2-Butanone	7.21	43	609593	794.962	ug/l	98
26) 2,2-Dichloropropane	7.21	77	714722	145.717	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	544628	156.526	ug/l	99
28) Bromochloromethane	7.54	49	318212	144.223	ug/l	98
29) Tetrahydrofuran	7.56	42	388719	830.806	ug/l	99
30) Chloroform	7.71	83	840137	151.582	ug/l	99
31) Cyclohexane	7.98	56	753597	140.515	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	779118	150.238	ug/l	100
36) 1,1-Dichloropropene	8.11	75	673170	150.485	ug/l	98
37) Ethyl Acetate	7.29	43	270122	157.413	ug/l	98
38) Carbon Tetrachloride	8.10	117	720821	151.927	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	837970	158.173	ug/l	97
40) Benzene	8.36	78	1855872	149.575	ug/l	97
41) Methacrylonitrile	7.53	41	159043m	123.974	ug/l	
42) 1,2-Dichloroethane	8.43	62	522457	153.206	ug/l	100
43) Isopropyl Acetate	8.46	43	543075	171.941	ug/l	97
44) Trichloroethene	9.11	130	569204	152.495	ug/l	97
45) 1,2-Dichloropropane	9.39	63	457832	153.869	ug/l	98
46) Dibromomethane	9.48	93	250885	154.058	ug/l	99
47) Bromodichloromethane	9.67	83	647948	151.825	ug/l	99
48) Methyl methacrylate	9.46	41	257522	156.539	ug/l	92
49) 1,4-Dioxane	9.47	88	60208	3344.623	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1308979	811.634	ug/l	100
52) Toluene	10.41	92	1216565	152.266	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	639233	169.446	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	760270	162.826	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	345717	154.255	ug/l	95
56) Ethyl methacrylate	10.67	69	443283	175.992	ug/l	96
57) 1,3-Dichloropropane	10.95	76	591504	158.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	897739	730.242	ug/l	100
59) 2-Hexanone	10.99	43	919151	829.381	ug/l	96
60) Dibromochloromethane	11.14	129	473609	156.391	ug/l	100
61) 1,2-Dibromoethane	11.25	107	345243	159.261	ug/l	100
64) Tetrachloroethene	10.88	164	481441	151.678	ug/l	98
65) Chlorobenzene	11.67	112	1291799	150.823	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	483757	152.650	ug/l	100
67) Ethyl Benzene	11.75	91	2286821	155.670	ug/l	99
68) m/p-Xylenes	11.86	106	1757736	309.405	ug/l	99
69) o-Xylene	12.18	106	810504	160.262	ug/l	98
70) Styrene	12.20	104	1399862	159.908	ug/l	100
71) Bromoform	12.37	173	293022	164.525	ug/l #	100
73) Isopropylbenzene	12.48	105	2216802	159.877	ug/l	100
74) N-amyl acetate	12.29	43	498514	178.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	363856	158.657	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	277569m	134.903	ug/l	
77) Bromobenzene	12.77	156	560724	156.657	ug/l	98
78) n-propylbenzene	12.83	91	2548628	156.869	ug/l	99
79) 2-Chlorotoluene	12.91	91	1455161	156.901	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1821707	157.726	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	129430	176.507	ug/l	98
82) 4-Chlorotoluene	13.01	91	1516658	153.944	ug/l	100
83) tert-Butylbenzene	13.23	119	1621586	161.667	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1783294	157.421	ug/l	100
85) sec-Butylbenzene	13.41	105	2198969	158.560	ug/l	99
86) p-Isopropyltoluene	13.52	119	1983947	158.873	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1003139	148.457	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1018981	150.462	ug/l	98
89) n-Butylbenzene	13.85	91	1866263	161.575	ug/l	100
90) Hexachloroethane	14.12	117	404325	157.728	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	903149	156.103	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60955	166.846	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	672321	167.232	ug/l	99
94) Hexachlorobutadiene	15.27	225	395440	157.084	ug/l	99
95) Naphthalene	15.41	128	1182280	192.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	583275	165.779	ug/l	99

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

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