

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003385.D
 Acq On : 31 Jul 2020 12:53
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:37:31 PM

Quant Time: Jul 31 13:08:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 12:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	509111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	745349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	695177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	353391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	747316	166.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.84%	
35) Dibromofluoromethane	7.72	113	701877	159.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.96%	
50) Toluene-d8	10.18	98	2756902	166.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.60%	
62) 4-Bromofluorobenzene	12.48	95	931550	157.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	575549	151.301	ug/l	99
3) Chloromethane	2.12	50	749019	143.762	ug/l	100
4) Vinyl Chloride	2.26	62	821638	153.644	ug/l	100
5) Bromomethane	2.63	94	641341	161.834	ug/l	99
6) Chloroethane	2.79	64	534121	153.216	ug/l	97
7) Trichlorofluoromethane	3.12	101	1138556	150.281	ug/l	98
8) Diethyl Ether	3.53	74	401057	157.134	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	684791	150.002	ug/l	100
10) Methyl Iodide	4.10	142	902790	179.976	ug/l	99
11) Tert butyl alcohol	4.97	59	347888	737.602	ug/l	99
12) 1,1-Dichloroethene	3.88	96	667972	153.726	ug/l	96
13) Acrolein	3.73	56	367696	866.557	ug/l	99
14) Allyl chloride	4.49	41	1137852	173.574	ug/l	100
15) Acrylonitrile	5.17	53	1007664	821.485	ug/l	100
16) Acetone	3.95	43	922065	914.651	ug/l	98
17) Carbon Disulfide	4.19	76	2155103	160.296	ug/l	99
18) Methyl Acetate	4.48	43	465706	169.361	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	1917764	158.810	ug/l	99
20) Methylene Chloride	4.72	84	797089	133.975	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	761323	155.974	ug/l	98
22) Diisopropyl ether	6.13	45	2393884	166.412	ug/l	99
23) Vinyl Acetate	6.07	43	8024880	838.807	ug/l	98
24) 1,1-Dichloroethane	6.02	63	1327442	160.017	ug/l	99
25) 2-Butanone	6.99	43	1409854	864.871	ug/l	98
26) 2,2-Dichloropropane	6.99	77	1166583	156.255	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	848389	157.660	ug/l	99
28) Bromochloromethane	7.34	49	494605	141.868	ug/l	98
29) Tetrahydrofuran	7.35	42	907479	834.374	ug/l	99
30) Chloroform	7.51	83	1325047	155.765	ug/l	98
31) Cyclohexane	7.79	56	1210663	151.092	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	1208678	157.362	ug/l	99
36) 1,1-Dichloropropene	7.92	75	1063463	154.454	ug/l	100
37) Ethyl Acetate	7.08	43	610676	164.181	ug/l	99
38) Carbon Tetrachloride	7.91	117	1114025	157.132	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	1319398	153.133	ug/l	98
40) Benzene	8.16	78	2976999	156.948	ug/l	99
41) Methacrylonitrile	7.33	41	395815m	175.783	ug/l	
42) 1,2-Dichloroethane	8.24	62	901580	154.889	ug/l	99
43) Isopropyl Acetate	8.28	43	1176035	163.908	ug/l	100
44) Trichloroethene	8.94	130	860749	149.462	ug/l	99
45) 1,2-Dichloropropane	9.22	63	775302	157.636	ug/l	98
46) Dibromomethane	9.31	93	431513	152.083	ug/l	97
47) Bromodichloromethane	9.50	83	1072282	157.740	ug/l	99
48) Methyl methacrylate	9.29	41	544644	169.523	ug/l	98
49) 1,4-Dioxane	9.30	88	117095	3243.585	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	3046017	816.285	ug/l	99
52) Toluene	10.24	92	1898723	156.916	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	1152165	163.437	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	1297083	159.601	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	618139	152.862	ug/l	98
56) Ethyl methacrylate	10.51	69	901809	164.647	ug/l	99
57) 1,3-Dichloropropane	10.79	76	1059630	154.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	1925321	706.916	ug/l	99
59) 2-Hexanone	10.83	43	2167380	831.612	ug/l	100
60) Dibromochloromethane	10.99	129	791909	156.093	ug/l	100
61) 1,2-Dibromoethane	11.09	107	599167	151.172	ug/l	100
64) Tetrachloroethene	10.72	164	884969	142.467	ug/l	98
65) Chlorobenzene	11.52	112	2062161	151.599	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	821915	155.452	ug/l	99
67) Ethyl Benzene	11.59	91	3796849	155.905	ug/l	98
68) m/p-Xylenes	11.70	106	2878234	311.834	ug/l	98
69) o-Xylene	12.03	106	1365223	158.120	ug/l	100
70) Styrene	12.04	104	2362165	159.970	ug/l	99
71) Bromoform	12.20	173	524370	152.127	ug/l	99
73) Isopropylbenzene	12.33	105	3643162	159.166	ug/l	100
74) N-amyl acetate	12.14	43	1062153	164.943	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	688558	155.739	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	491517m	155.648	ug/l	
77) Bromobenzene	12.61	156	913901	156.840	ug/l	99
78) n-propylbenzene	12.67	91	4244556	156.846	ug/l	99
79) 2-Chlorotoluene	12.75	91	2377347	157.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2997609	156.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	264169	162.126	ug/l	98
82) 4-Chlorotoluene	12.85	91	2454370	156.130	ug/l	99
83) tert-Butylbenzene	13.07	119	2660601	158.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	3037184	157.948	ug/l	99
85) sec-Butylbenzene	13.25	105	3589896	154.890	ug/l	100
86) p-Isopropyltoluene	13.37	119	3409776	157.573	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1741166	157.681	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1666547	152.375	ug/l	99
89) n-Butylbenzene	13.69	91	3113526	152.942	ug/l	100
90) Hexachloroethane	13.96	117	646807	163.095	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	1495554	154.185	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	109241	152.691	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	1061291	153.630	ug/l	99
94) Hexachlorobutadiene	15.11	225	673379	142.860	ug/l	100
95) Naphthalene	15.23	128	1868334	162.938	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	870980	158.276	ug/l	100

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

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