

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052220\
 Data File : VY002753.D
 Acq On : 22 May 2020 15:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 22 19:47:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	369329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	551012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	507057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	267770	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	143675	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.72	113	148604	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.18	98	591843	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.48	95	202979	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	110960	41.927	ug/l	98
3) Chloromethane	2.12	50	124942	41.222	ug/l	99
4) Vinyl Chloride	2.26	62	138061	43.714	ug/l	99
5) Bromomethane	2.65	94	100265	42.833	ug/l	99
6) Chloroethane	2.80	64	89603	44.365	ug/l	99
7) Trichlorofluoromethane	3.13	101	238861	44.877	ug/l	97
8) Diethyl Ether	3.54	74	86951	48.023	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	147244	45.637	ug/l	99
10) Methyl Iodide	4.10	142	210357	47.367	ug/l	99
11) Tert butyl alcohol	4.97	59	72401	246.775	ug/l	99
12) 1,1-Dichloroethene	3.88	96	146625	45.261	ug/l	98
13) Acrolein	3.74	56	78202	227.256	ug/l	96
14) Allyl chloride	4.49	41	217294	46.722	ug/l	99
15) Acrylonitrile	5.18	53	205108	250.181	ug/l	99
16) Acetone	3.96	43	177873	298.675	ug/l	99
17) Carbon Disulfide	4.20	76	447607	44.049	ug/l	99
18) Methyl Acetate	4.49	43	83363	49.094	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	394962	49.153	ug/l	100
20) Methylene Chloride	4.72	84	167522	46.535	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	162367	45.073	ug/l	99
22) Diisopropyl ether	6.13	45	443119	48.023	ug/l	97
23) Vinyl Acetate	6.07	43	1453032	245.927	ug/l	100
24) 1,1-Dichloroethane	6.02	63	259796	47.118	ug/l	99
25) 2-Butanone	6.99	43	259125	262.979	ug/l	99
26) 2,2-Dichloropropane	6.99	77	234566	45.723	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	182566	46.904	ug/l	99
28) Bromochloromethane	7.34	49	108001	49.515	ug/l	100
29) Tetrahydrofuran	7.35	42	166710	248.664	ug/l	99
30) Chloroform	7.51	83	272661	47.647	ug/l	99
31) Cyclohexane	7.78	56	244616	43.742	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	248363	46.971	ug/l	99
36) 1,1-Dichloropropene	7.92	75	214030	45.884	ug/l	100
37) Ethyl Acetate	7.08	43	112969	49.240	ug/l	100
38) Carbon Tetrachloride	7.91	117	232801	46.437	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	280439	44.712	ug/l	97
40) Benzene	8.16	78	633216	46.525	ug/l	99
41) Methacrylonitrile	7.32	41	65520m	47.534	ug/l	
42) 1,2-Dichloroethane	8.24	62	169859	47.319	ug/l	99
43) Isopropyl Acetate	8.28	43	213053	49.969	ug/l	100
44) Trichloroethene	8.94	130	200864	46.299	ug/l	99
45) 1,2-Dichloropropane	9.22	63	151817	46.999	ug/l	99
46) Dibromomethane	9.31	93	88854	48.960	ug/l	99
47) Bromodichloromethane	9.50	83	214400	48.406	ug/l	98
48) Methyl methacrylate	9.29	41	96822	49.320	ug/l	99
49) 1,4-Dioxane	9.30	88	25289	1023.134	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	557435	253.223	ug/l	100
52) Toluene	10.24	92	409562	46.500	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	230271	48.710	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	262632	47.921	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	132750	49.133	ug/l	98
56) Ethyl methacrylate	10.51	69	182536	50.748	ug/l	98
57) 1,3-Dichloropropane	10.79	76	220681	48.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	437466	246.361	ug/l	100
59) 2-Hexanone	10.83	43	398540	259.857	ug/l	99
60) Dibromochloromethane	10.99	129	171353	49.643	ug/l	100
61) 1,2-Dibromoethane	11.09	107	133044	49.980	ug/l	99
64) Tetrachloroethene	10.72	164	223684	46.467	ug/l	99
65) Chlorobenzene	11.52	112	455482	46.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	172271	47.373	ug/l	99
67) Ethyl Benzene	11.59	91	796123	46.276	ug/l	99
68) m/p-Xylenes	11.70	106	616899	92.168	ug/l	99
69) o-Xylene	12.03	106	298182	47.466	ug/l	98
70) Styrene	12.04	104	519292	48.146	ug/l	100
71) Bromoform	12.20	173	114547	50.958	ug/l	99
73) Isopropylbenzene	12.33	105	801731	45.822	ug/l	100
74) N-amyl acetate	12.14	43	206119	50.203	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	129683	50.333	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	111500m	50.690	ug/l	
77) Bromobenzene	12.61	156	203495	46.520	ug/l	98
78) n-propylbenzene	12.67	91	924099	45.401	ug/l	100
79) 2-Chlorotoluene	12.75	91	515408	45.655	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	665931	45.297	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	58127	49.976	ug/l #	78
82) 4-Chlorotoluene	12.86	91	538360	45.527	ug/l	99
83) tert-Butylbenzene	13.08	119	581474	44.691	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	666853	45.387	ug/l	100
85) sec-Butylbenzene	13.25	105	803254	44.739	ug/l	100
86) p-Isopropyltoluene	13.37	119	754205	44.878	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	381572	45.242	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	383982	45.730	ug/l	99
89) n-Butylbenzene	13.70	91	685408	44.411	ug/l	99
90) Hexachloroethane	13.96	117	142936	45.920	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	349129	46.157	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25826	52.270	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	260267	47.600	ug/l	100
94) Hexachlorobutadiene	15.11	225	149709	45.696	ug/l	100
95) Naphthalene	15.23	128	516252	49.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	231483	49.877	ug/l	100

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

