

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY052920\
 Data File : VY002793.D
 Acq On : 29 May 2020 10:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 30 04:03:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	293355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	432662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	124214	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	7.72	113	125431	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.18	98	498407	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.48	95	174310	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	99785	49.43	ug/l	97
3) Chloromethane	2.12	50	110725	49.59	ug/l	99
4) Vinyl Chloride	2.26	62	123595	52.37	ug/l	97
5) Bromomethane	2.65	94	87538	49.50	ug/l	98
6) Chloroethane	2.79	64	75577	49.40	ug/l	97
7) Trichlorofluoromethane	3.13	101	203689	48.73	ug/l	98
8) Diethyl Ether	3.53	74	74224	45.48	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	125462	50.56	ug/l	98
10) Methyl Iodide	4.10	142	167457	48.23	ug/l	100
11) Tert butyl alcohol	4.96	59	68557	250.45	ug/l	98
12) 1,1-Dichloroethene	3.88	96	122737	49.18	ug/l	99
13) Acrolein	3.74	56	82317	275.77	ug/l	100
14) Allyl chloride	4.48	41	179849	50.25	ug/l	100
15) Acrylonitrile	5.17	53	189471	257.35	ug/l	100
16) Acetone	3.96	43	172099	288.14	ug/l	97
17) Carbon Disulfide	4.19	76	362438	48.06	ug/l	99
18) Methyl Acetate	4.49	43	77241	51.57	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	350459	50.87	ug/l	100
20) Methylene Chloride	4.72	84	138288	47.38	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	138249	49.26	ug/l	99
22) Diisopropyl ether	6.13	45	377383	50.74	ug/l	98
23) Vinyl Acetate	6.07	43	1295192	263.75	ug/l	99
24) 1,1-Dichloroethane	6.02	63	219168	50.37	ug/l	99
25) 2-Butanone	6.99	43	246321	264.70	ug/l	100
26) 2,2-Dichloropropane	6.99	77	203995	48.89	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	154910	49.31	ug/l	99
28) Bromochloromethane	7.34	49	86368	48.35	ug/l	100
29) Tetrahydrofuran	7.35	42	156965	259.32	ug/l	100
30) Chloroform	7.51	83	233046	50.48	ug/l	96
31) Cyclohexane	7.78	56	204697	47.38	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	214968	49.96	ug/l	99
36) 1,1-Dichloropropene	7.92	75	181670	49.85	ug/l	100
37) Ethyl Acetate	7.08	43	103346	52.12	ug/l	98
38) Carbon Tetrachloride	7.90	117	202396	49.99	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	234372	48.79	ug/l	99
40) Benzene	8.16	78	538558	50.01	ug/l	99
41) Methacrylonitrile	7.33	41	56802m	53.32	ug/l	
42) 1,2-Dichloroethane	8.24	62	152860	50.65	ug/l	99
43) Isopropyl Acetate	8.27	43	193917	51.60	ug/l	100
44) Trichloroethene	8.94	130	169868	49.94	ug/l	99
45) 1,2-Dichloropropane	9.22	63	128563	49.78	ug/l	98
46) Dibromomethane	9.31	93	78430	51.14	ug/l	98
47) Bromodichloromethane	9.50	83	188481	52.13	ug/l	97
48) Methyl methacrylate	9.29	41	87859	51.79	ug/l	98
49) 1,4-Dioxane	9.30	88	24157	1025.77	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	526510	264.60	ug/l	100
52) Toluene	10.24	92	354424	50.31	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	206085	52.18	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	230703	51.55	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	118792	50.59	ug/l	94
56) Ethyl methacrylate	10.51	69	164699	52.37	ug/l	99
57) 1,3-Dichloropropane	10.79	76	197571	51.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	383968	249.85	ug/l	100
59) 2-Hexanone	10.83	43	380936	269.82	ug/l	100
60) Dibromochloromethane	10.99	129	154813	52.00	ug/l	100
61) 1,2-Dibromoethane	11.09	107	116952	50.49	ug/l	99
64) Tetrachloroethene	10.72	164	178834	48.19	ug/l	99
65) Chlorobenzene	11.52	112	399639	49.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	153525	50.51	ug/l	99
67) Ethyl Benzene	11.60	91	695431	49.71	ug/l	99
68) m/p-Xylenes	11.70	106	541961	99.91	ug/l	100
69) o-Xylene	12.03	106	259760	50.72	ug/l	99
70) Styrene	12.05	104	450208	50.71	ug/l	100
71) Bromoform	12.20	173	103687	50.98	ug/l #	98
73) Isopropylbenzene	12.33	105	699423	49.06	ug/l	99
74) N-amyl acetate	12.14	43	189063	51.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	128177	51.24	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	105656m	52.71	ug/l	
77) Bromobenzene	12.61	156	182412	49.14	ug/l	100
78) n-propylbenzene	12.67	91	821916	49.91	ug/l	100
79) 2-Chlorotoluene	12.75	91	453553	49.10	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	592115	49.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54937	51.63	ug/l	98
82) 4-Chlorotoluene	12.86	91	480254	49.62	ug/l	99
83) tert-Butylbenzene	13.08	119	523267	49.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	599449	50.08	ug/l	99
85) sec-Butylbenzene	13.25	105	723463	49.83	ug/l	99
86) p-Isopropyltoluene	13.37	119	682219	50.50	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	350444	49.84	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	349389	49.67	ug/l	99
89) n-Butylbenzene	13.70	91	620240	50.57	ug/l	99
90) Hexachloroethane	13.96	117	126015	49.82	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	320340	50.23	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25285	52.54	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	239276	49.78	ug/l	99
94) Hexachlorobutadiene	15.11	225	134779	49.44	ug/l	99
95) Naphthalene	15.23	128	488149	50.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	215506	50.21	ug/l	99

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

