

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY052920\
 Data File : VY002800.D
 Acq On : 29 May 2020 15:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 30 04:27:14 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	319269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	469560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	435454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230865	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	122879	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
35) Dibromofluoromethane	7.72	113	132832	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.18	98	532681	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.48	95	182360	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	102229	46.53	ug/l	98
3) Chloromethane	2.12	50	116398	47.90	ug/l	99
4) Vinyl Chloride	2.26	62	126214	49.14	ug/l	99
5) Bromomethane	2.66	94	99079	51.48	ug/l	98
6) Chloroethane	2.80	64	86770	52.12	ug/l	99
7) Trichlorofluoromethane	3.13	101	229887	50.54	ug/l	100
8) Diethyl Ether	3.54	74	77273	43.51	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	141020	52.21	ug/l	98
10) Methyl Iodide	4.10	142	200809	53.14	ug/l	100
11) Tert butyl alcohol	4.96	59	53074	174.26	ug/l	99
12) 1,1-Dichloroethene	3.88	96	140741	51.82	ug/l	98
13) Acrolein	3.74	56	64229	197.71	ug/l	100
14) Allyl chloride	4.49	41	204871	52.59	ug/l	99
15) Acrylonitrile	5.18	53	168074	209.76	ug/l	99
16) Acetone	3.96	43	121415	186.78	ug/l	100
17) Carbon Disulfide	4.20	76	415787	50.66	ug/l	100
18) Methyl Acetate	4.49	43	68660	41.94	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	348228	46.44	ug/l	99
20) Methylene Chloride	4.72	84	159545	50.22	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	158329	51.83	ug/l	98
22) Diisopropyl ether	6.13	45	427044	52.75	ug/l	98
23) Vinyl Acetate	6.07	43	1285268	240.48	ug/l	100
24) 1,1-Dichloroethane	6.02	63	253769	53.59	ug/l	99
25) 2-Butanone	6.99	43	193754	191.31	ug/l	99
26) 2,2-Dichloropropane	6.99	77	231633	51.00	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	177004	51.76	ug/l	100
28) Bromochloromethane	7.34	49	99748	51.31	ug/l	100
29) Tetrahydrofuran	7.35	42	129370	196.39	ug/l	99
30) Chloroform	7.51	83	268161	53.37	ug/l	95
31) Cyclohexane	7.79	56	229543	48.82	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	243555	52.01	ug/l	99
36) 1,1-Dichloropropene	7.92	75	208044	52.60	ug/l	100
37) Ethyl Acetate	7.08	43	89093	41.40	ug/l	99
38) Carbon Tetrachloride	7.91	117	228621	52.03	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	266821	51.18	ug/l	98
40) Benzene	8.16	78	615732	52.68	ug/l	99
41) Methacrylonitrile	7.33	41	50805m	43.94	ug/l	
42) 1,2-Dichloroethane	8.24	62	159284	48.63	ug/l	99
43) Isopropyl Acetate	8.28	43	172611	42.33	ug/l	98
44) Trichloroethene	8.94	130	189955	51.45	ug/l	99
45) 1,2-Dichloropropane	9.22	63	147038	52.46	ug/l	99
46) Dibromomethane	9.31	93	80440	48.33	ug/l	98
47) Bromodichloromethane	9.50	83	205303	52.32	ug/l	98
48) Methyl methacrylate	9.30	41	79230	43.04	ug/l	100
49) 1,4-Dioxane	9.30	88	21176	828.53	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	437790	202.73	ug/l	100
52) Toluene	10.24	92	399507	52.25	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	214214	49.98	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	249331	51.34	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	121960	47.86	ug/l	96
56) Ethyl methacrylate	10.51	69	154174	45.17	ug/l	99
57) 1,3-Dichloropropane	10.79	76	202941	48.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	360254	216.00	ug/l	99
59) 2-Hexanone	10.83	43	304265	198.58	ug/l	100
60) Dibromochloromethane	10.99	129	160310	49.62	ug/l	99
61) 1,2-Dibromoethane	11.09	107	117931	46.91	ug/l	99
64) Tetrachloroethene	10.72	164	200326	50.62	ug/l	99
65) Chlorobenzene	11.52	112	447111	51.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	169286	52.22	ug/l	100
67) Ethyl Benzene	11.59	91	786446	52.71	ug/l	100
68) m/p-Xylenes	11.70	106	606114	104.77	ug/l	99
69) o-Xylene	12.03	106	287058	52.56	ug/l	99
70) Styrene	12.05	104	498357	52.64	ug/l	100
71) Bromoform	12.21	173	101537	46.81	ug/l #	99
73) Isopropylbenzene	12.33	105	788389	53.29	ug/l	100
74) N-amyl acetate	12.14	43	169806	44.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	118042	45.47	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	96090m	46.19	ug/l	
77) Bromobenzene	12.61	156	196483	51.00	ug/l	99
78) n-propylbenzene	12.67	91	919722	53.82	ug/l	100
79) 2-Chlorotoluene	12.76	91	509778	53.18	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	661054	53.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	48993	44.37	ug/l	99
82) 4-Chlorotoluene	12.86	91	537091	53.47	ug/l	99
83) tert-Butylbenzene	13.08	119	580486	52.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	666619	53.67	ug/l	99
85) sec-Butylbenzene	13.25	105	807978	53.63	ug/l	100
86) p-Isopropyltoluene	13.37	119	753316	53.73	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	378952	51.93	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	375249	51.41	ug/l	100
89) n-Butylbenzene	13.70	91	688109	54.06	ug/l	100
90) Hexachloroethane	13.96	117	141895	54.06	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	338067	51.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21064	42.18	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	251467	50.41	ug/l	100
94) Hexachlorobutadiene	15.11	225	149472	52.83	ug/l	99
95) Naphthalene	15.23	128	438578	43.85	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	216557	48.62	ug/l	99

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

