

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060120\
 Data File : VY002809.D
 Acq On : 01 Jun 2020 16:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 4.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 01 18:30:14 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	362829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	535901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	491334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	259874	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	151078	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	7.72	113	157243	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.18	98	604385	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.48	95	213670	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	114124	45.712	ug/l	96
3) Chloromethane	2.12	50	128122	46.397	ug/l	99
4) Vinyl Chloride	2.26	62	144942	49.659	ug/l	98
5) Bromomethane	2.65	94	105466	48.218	ug/l	98
6) Chloroethane	2.80	64	96310	50.901	ug/l	99
7) Trichlorofluoromethane	3.13	101	257719	49.855	ug/l	97
8) Diethyl Ether	3.53	74	97188	48.149	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	162720	53.016	ug/l	99
10) Methyl Iodide	4.10	142	221402	51.552	ug/l	99
11) Tert butyl alcohol	4.97	59	82497	243.300	ug/l	100
12) 1,1-Dichloroethene	3.88	96	158314	51.290	ug/l	99
13) Acrolein	3.74	56	106905	289.569	ug/l	100
14) Allyl chloride	4.49	41	237455	53.639	ug/l	99
15) Acrylonitrile	5.17	53	239457	262.963	ug/l	99
16) Acetone	3.96	43	200223	271.040	ug/l	99
17) Carbon Disulfide	4.20	76	460382	49.358	ug/l	98
18) Methyl Acetate	4.48	43	100485	54.293	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	445400	52.270	ug/l	100
20) Methylene Chloride	4.72	84	178421	49.423	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	175078	50.437	ug/l	95
22) Diisopropyl ether	6.12	45	492967	53.587	ug/l	95
23) Vinyl Acetate	6.07	43	1683690	277.210	ug/l	99
24) 1,1-Dichloroethane	6.02	63	285195	52.996	ug/l	99
25) 2-Butanone	6.99	43	302054	262.444	ug/l	99
26) 2,2-Dichloropropane	6.99	77	254692	49.348	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	198537	51.091	ug/l	99
28) Bromochloromethane	7.34	49	114792	51.962	ug/l	96
29) Tetrahydrofuran	7.35	42	197752	264.150	ug/l	100
30) Chloroform	7.51	83	295137	51.683	ug/l	97
31) Cyclohexane	7.78	56	259355	48.541	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	265534	49.900	ug/l	99
36) 1,1-Dichloropropene	7.92	75	229405	50.818	ug/l	100
37) Ethyl Acetate	7.08	43	132631	54.000	ug/l	100
38) Carbon Tetrachloride	7.90	117	250760	50.003	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	297332	49.969	ug/l	98
40) Benzene	8.16	78	677350	50.780	ug/l	99
41) Methacrylonitrile	7.33	41	74212m	56.243	ug/l	
42) 1,2-Dichloroethane	8.24	62	187308	50.106	ug/l	99
43) Isopropyl Acetate	8.27	43	248629	53.418	ug/l	100
44) Trichloroethene	8.94	130	212719	50.487	ug/l	97
45) 1,2-Dichloropropane	9.22	63	168482	52.670	ug/l	99
46) Dibromomethane	9.31	93	98166	51.674	ug/l	98
47) Bromodichloromethane	9.50	83	233775	52.199	ug/l	98
48) Methyl methacrylate	9.29	41	111868	53.242	ug/l	99
49) 1,4-Dioxane	9.30	88	28988	993.774	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	661886	268.557	ug/l	99
52) Toluene	10.24	92	435566	49.916	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	252919	51.704	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	288164	51.989	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	148617	51.099	ug/l	95
56) Ethyl methacrylate	10.51	69	205788	52.826	ug/l	99
57) 1,3-Dichloropropane	10.79	76	242909	50.778	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	501494	263.462	ug/l	99
59) 2-Hexanone	10.83	43	466549	266.798	ug/l	100
60) Dibromochloromethane	10.99	129	188299	51.066	ug/l	99
61) 1,2-Dibromoethane	11.09	107	147837	51.529	ug/l	100
64) Tetrachloroethene	10.72	164	215304	48.215	ug/l	99
65) Chlorobenzene	11.52	112	488422	50.295	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	187588	51.289	ug/l	99
67) Ethyl Benzene	11.60	91	852125	50.614	ug/l	100
68) m/p-Xylenes	11.70	106	656785	100.619	ug/l	100
69) o-Xylene	12.03	106	314838	51.092	ug/l	100
70) Styrene	12.05	104	546862	51.193	ug/l	100
71) Bromoform	12.21	173	128175	52.374	ug/l #	100
73) Isopropylbenzene	12.33	105	847833	50.909	ug/l	99
74) N-amyl acetate	12.14	43	230405	53.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	160720	55.003	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	128438m	54.850	ug/l	
77) Bromobenzene	12.61	156	220063	50.748	ug/l	98
78) n-propylbenzene	12.67	91	983741	51.138	ug/l	100
79) 2-Chlorotoluene	12.75	91	553213	51.266	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	706629	50.818	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	67206	54.072	ug/l	98
82) 4-Chlorotoluene	12.86	91	576553	50.996	ug/l	100
83) tert-Butylbenzene	13.08	119	631972	50.951	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	712898	50.988	ug/l	99
85) sec-Butylbenzene	13.25	105	861344	50.788	ug/l	100
86) p-Isopropyltoluene	13.37	119	806367	51.098	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	411212	50.062	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	411576	50.089	ug/l	100
89) n-Butylbenzene	13.70	91	732922	51.156	ug/l	100
90) Hexachloroethane	13.96	117	154123	52.169	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	374258	50.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29941	53.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	279995	49.866	ug/l	100
94) Hexachlorobutadiene	15.11	225	160163	50.292	ug/l	99
95) Naphthalene	15.23	128	577213	51.271	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	252961	50.450	ug/l	99

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

