

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003175.D
 Acq On : 10 Jul 2020 19:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:48:08 AM

Quant Time: Jul 11 06:47:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	481607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	713159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	661832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	343999	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	199225	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
35) Dibromofluoromethane	7.72	113	193284	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
50) Toluene-d8	10.18	98	710738	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.48	95	260901	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	155007	44.906	ug/l	100
3) Chloromethane	2.12	50	238337	49.778	ug/l	99
4) Vinyl Chloride	2.26	62	239144	48.680	ug/l	98
5) Bromomethane	2.65	94	183081	50.175	ug/l	99
6) Chloroethane	2.80	64	159180	49.334	ug/l	100
7) Trichlorofluoromethane	3.13	101	340793	48.577	ug/l	98
8) Diethyl Ether	3.54	74	122254	52.004	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	209542	49.454	ug/l	98
10) Methyl Iodide	4.10	142	226562	49.217	ug/l	100
11) Tert butyl alcohol	4.97	59	103178	234.736	ug/l	98
12) 1,1-Dichloroethene	3.88	96	195551	48.795	ug/l	99
13) Acrolein	3.74	56	79422	208.175	ug/l	99
14) Allyl chloride	4.49	41	305150	51.315	ug/l	98
15) Acrylonitrile	5.18	53	291692	258.301	ug/l	98
16) Acetone	3.96	43	225921	248.816	ug/l	95
17) Carbon Disulfide	4.20	76	607810	49.425	ug/l	100
18) Methyl Acetate	4.49	43	127868	50.709	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	595155	52.993	ug/l	98
20) Methylene Chloride	4.72	84	245070	54.094	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	230449	50.840	ug/l	95
22) Diisopropyl ether	6.13	45	716166	54.264	ug/l	99
23) Vinyl Acetate	6.07	43	2364236	268.766	ug/l	99
24) 1,1-Dichloroethane	6.03	63	399277	52.220	ug/l	99
25) 2-Butanone	6.99	43	382338	256.461	ug/l	96
26) 2,2-Dichloropropane	6.99	77	332229	48.248	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	260305	52.158	ug/l	100
28) Bromochloromethane	7.34	49	167575	50.621	ug/l	98
29) Tetrahydrofuran	7.35	42	257928	257.538	ug/l	99
30) Chloroform	7.51	83	412418	52.370	ug/l	100
31) Cyclohexane	7.79	56	353813	47.854	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	362281	51.101	ug/l	99
36) 1,1-Dichloropropene	7.93	75	316144	48.912	ug/l	100
37) Ethyl Acetate	7.08	43	180610	51.887	ug/l	98
38) Carbon Tetrachloride	7.91	117	325164	48.730	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	389945	48.025	ug/l	95
40) Benzene	8.17	78	894760	50.275	ug/l	97
41) Methacrylonitrile	7.33	41	90217m	43.034	ug/l	
42) 1,2-Dichloroethane	8.24	62	278175	50.770	ug/l	99
43) Isopropyl Acetate	8.28	43	351241	52.131	ug/l	100
44) Trichloroethene	8.94	130	271187	49.706	ug/l	95
45) 1,2-Dichloropropane	9.22	63	233881	50.787	ug/l	97
46) Dibromomethane	9.31	93	137920	51.277	ug/l	99
47) Bromodichloromethane	9.50	83	331703	51.853	ug/l	98
48) Methyl methacrylate	9.30	41	158319	52.561	ug/l	100
49) 1,4-Dioxane	9.30	88	33652	985.802	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	912464	260.555	ug/l	99
52) Toluene	10.24	92	578852	50.886	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	346560	52.288	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	389899	51.057	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	195610	51.322	ug/l	98
56) Ethyl methacrylate	10.51	69	281114	54.251	ug/l	98
57) 1,3-Dichloropropane	10.79	76	331331	51.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	651728	246.616	ug/l	100
59) 2-Hexanone	10.83	43	637138	260.625	ug/l	99
60) Dibromochloromethane	10.99	129	251415	52.446	ug/l	100
61) 1,2-Dibromoethane	11.09	107	191909	51.016	ug/l	99
64) Tetrachloroethene	10.72	164	291531	49.403	ug/l	98
65) Chlorobenzene	11.52	112	640295	50.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	253428	51.177	ug/l	99
67) Ethyl Benzene	11.59	91	1146344	50.356	ug/l	99
68) m/p-Xylenes	11.70	106	859864	99.549	ug/l	98
69) o-Xylene	12.03	106	412875	51.165	ug/l	100
70) Styrene	12.04	104	712161	51.591	ug/l	100
71) Bromoform	12.20	173	167772	51.620	ug/l #	100
73) Isopropylbenzene	12.33	105	1109001	50.589	ug/l	99
74) N-amyl acetate	12.14	43	337348	54.844	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	216496	51.134	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	162829m	53.475	ug/l	
77) Bromobenzene	12.61	156	289478	51.804	ug/l	99
78) n-propylbenzene	12.67	91	1307207	50.588	ug/l	100
79) 2-Chlorotoluene	12.75	91	742005	51.466	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	927417	50.759	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80999	51.770	ug/l	96
82) 4-Chlorotoluene	12.85	91	776356	51.591	ug/l	100
83) tert-Butylbenzene	13.07	119	816043	50.618	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	936068	50.919	ug/l	99
85) sec-Butylbenzene	13.25	105	1121110	50.596	ug/l	99
86) p-Isopropyltoluene	13.37	119	1030169	49.792	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	539370	51.042	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	534223	51.063	ug/l	100
89) n-Butylbenzene	13.70	91	973757	50.037	ug/l	100
90) Hexachloroethane	13.96	117	194618	51.654	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	480376	51.802	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	33931	49.433	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	335166	50.805	ug/l	100
94) Hexachlorobutadiene	15.11	225	220938	48.875	ug/l	98
95) Naphthalene	15.23	128	565852	51.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	261457	50.136	ug/l	99

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

