

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072120\
 Data File : VY003276.D
 Acq On : 22 Jul 2020 02:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:43:31 PM

Quant Time: Jul 22 04:36:53 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	384090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	600796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	570517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	310301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	177858	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.72	113	170348	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.18	98	612051	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.48	95	224610	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	105944	38.485	ug/l	98
3) Chloromethane	2.11	50	170415	44.629	ug/l	99
4) Vinyl Chloride	2.26	62	169304	43.214	ug/l	99
5) Bromomethane	2.65	94	150534	51.729	ug/l	95
6) Chloroethane	2.80	64	117037	45.482	ug/l	100
7) Trichlorofluoromethane	3.13	101	247459	44.228	ug/l	97
8) Diethyl Ether	3.54	74	103045	54.961	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	152413	45.104	ug/l	98
10) Methyl Iodide	4.10	142	141980	38.674	ug/l	99
11) Tert butyl alcohol	4.96	59	92823	264.794	ug/l	99
12) 1,1-Dichloroethene	3.88	96	149457	46.762	ug/l	99
13) Acrolein	3.74	56	38493	126.511	ug/l	97
14) Allyl chloride	4.49	41	257605	54.318	ug/l	95
15) Acrylonitrile	5.18	53	270586	300.446	ug/l	100
16) Acetone	3.96	43	200851	277.367	ug/l	95
17) Carbon Disulfide	4.20	76	445383	45.412	ug/l	99
18) Methyl Acetate	4.49	43	127477	63.390	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	501506	55.992	ug/l	96
20) Methylene Chloride	4.72	84	199964	55.487	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	175209	48.467	ug/l	99
22) Diisopropyl ether	6.13	45	617149	58.634	ug/l	97
23) Vinyl Acetate	6.07	43	2027355	288.983	ug/l	99
24) 1,1-Dichloroethane	6.03	63	328344	53.845	ug/l	99
25) 2-Butanone	6.99	43	355314	298.844	ug/l	100
26) 2,2-Dichloropropane	6.99	77	245031	44.619	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	211550	53.151	ug/l	98
28) Bromochloromethane	7.34	49	154147	58.387	ug/l	98
29) Tetrahydrofuran	7.35	42	242566	303.692	ug/l	95
30) Chloroform	7.51	83	341320	54.346	ug/l	95
31) Cyclohexane	7.79	56	263279	44.649	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	284152	50.256	ug/l	98
36) 1,1-Dichloropropene	7.92	75	239395	43.964	ug/l	100
37) Ethyl Acetate	7.08	43	157880	53.840	ug/l	98
38) Carbon Tetrachloride	7.91	117	248910	44.279	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	284978	41.661	ug/l	96
40) Benzene	8.17	78	732043	48.825	ug/l	95
41) Methacrylonitrile	7.33	41	99522m	56.351	ug/l	
42) 1,2-Dichloroethane	8.24	62	234473	50.798	ug/l	100
43) Isopropyl Acetate	8.28	43	307439	54.164	ug/l	98
44) Trichloroethene	8.94	130	212307	46.192	ug/l	97
45) 1,2-Dichloropropane	9.22	63	198764	51.234	ug/l	99
46) Dibromomethane	9.31	93	117230	51.736	ug/l	97
47) Bromodichloromethane	9.50	83	275434	51.109	ug/l	98
48) Methyl methacrylate	9.30	41	138273	54.491	ug/l	96
49) 1,4-Dioxane	9.30	88	30732	1068.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	814716	276.152	ug/l	98
52) Toluene	10.24	92	464085	48.427	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	283542	50.781	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	322308	50.099	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	162786	50.698	ug/l	96
56) Ethyl methacrylate	10.51	69	237228	54.344	ug/l	98
57) 1,3-Dichloropropane	10.79	76	283014	51.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	626365	281.346	ug/l	99
59) 2-Hexanone	10.83	43	570260	276.895	ug/l	98
60) Dibromochloromethane	10.99	129	209614	51.904	ug/l	100
61) 1,2-Dibromoethane	11.09	107	159305	50.269	ug/l	99
64) Tetrachloroethene	10.72	164	222448	43.729	ug/l	98
65) Chlorobenzene	11.52	112	525440	47.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	207826	48.686	ug/l	99
67) Ethyl Benzene	11.59	91	915961	46.676	ug/l	99
68) m/p-Xylenes	11.70	106	693093	93.084	ug/l	100
69) o-Xylene	12.03	106	331587	47.669	ug/l	99
70) Styrene	12.04	104	590321	49.609	ug/l	99
71) Bromoform	12.20	173	140568	50.173	ug/l #	99
73) Isopropylbenzene	12.33	105	882143	44.610	ug/l	100
74) N-amyl acetate	12.14	43	288285	51.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	192918	50.513	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	134630m	49.015	ug/l	
77) Bromobenzene	12.61	156	238571	47.330	ug/l	99
78) n-propylbenzene	12.67	91	1050953	45.088	ug/l	100
79) 2-Chlorotoluene	12.75	91	600196	46.151	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	757634	45.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67650	47.934	ug/l	97
82) 4-Chlorotoluene	12.85	91	627919	46.259	ug/l	100
83) tert-Butylbenzene	13.07	119	655623	45.084	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	771012	46.495	ug/l	97
85) sec-Butylbenzene	13.25	105	899858	45.021	ug/l	100
86) p-Isopropyltoluene	13.37	119	842180	45.127	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	449174	47.123	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	444937	47.147	ug/l	100
89) n-Butylbenzene	13.69	91	783778	44.649	ug/l	99
90) Hexachloroethane	13.96	117	163540	48.119	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	413040	49.377	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	33935	54.807	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	296285	49.788	ug/l	99
94) Hexachlorobutadiene	15.11	225	181896	44.608	ug/l	99
95) Naphthalene	15.23	128	584767	59.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	266864	56.730	ug/l	98

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

