

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003154.D
 Acq On : 09 Jul 2020 19:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:18:38 PM

Quant Time: Jul 10 04:58:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	413173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	614842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	571085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	303936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	214937	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.72	113	212534	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
50) Toluene-d8	10.18	98	767823	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.48	95	283706	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	138834	44.369	ug/l	98
3) Chloromethane	2.12	50	210039	45.839	ug/l	98
4) Vinyl Chloride	2.26	62	210333	47.058	ug/l	96
5) Bromomethane	2.65	94	174043	57.351	ug/l	99
6) Chloroethane	2.80	64	145131	51.042	ug/l	98
7) Trichlorofluoromethane	3.13	101	306904	48.649	ug/l	98
8) Diethyl Ether	3.54	74	111471	51.543	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.91	101	190737	50.637	ug/l	98
10) Methyl Iodide	4.10	142	202450	43.344	ug/l	99
11) Tert butyl alcohol	4.98	59	99484	237.881	ug/l	98
12) 1,1-Dichloroethene	3.88	96	176705	49.304	ug/l	94
13) Acrolein	3.74	56	58117	154.726	ug/l	99
14) Allyl chloride	4.49	41	270264	43.191	ug/l	96
15) Acrylonitrile	5.18	53	274232	246.036	ug/l	99
16) Acetone	3.96	43	210167	217.152	ug/l	94
17) Carbon Disulfide	4.20	76	495599	43.280	ug/l	98
18) Methyl Acetate	4.48	43	129941	49.834	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	559312	53.538	ug/l	97
20) Methylene Chloride	4.72	84	229931	53.764	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	203306	50.150	ug/l	97
22) Diisopropyl ether	6.13	45	644563	48.060	ug/l	95
23) Vinyl Acetate	6.07	43	2145206	239.243	ug/l	97
24) 1,1-Dichloroethane	6.03	63	363474	49.613	ug/l	99
25) 2-Butanone	7.00	43	369766	240.512	ug/l	97
26) 2,2-Dichloropropane	6.99	77	314227	47.208	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	235915	51.883	ug/l	94
28) Bromochloromethane	7.34	49	182857	56.095	ug/l	85
29) Tetrahydrofuran	7.35	42	245386	240.014	ug/l	91
30) Chloroform	7.52	83	384151	52.928	ug/l	100
31) Cyclohexane	7.79	56	304199	42.148	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	333097	50.279	ug/l	98
36) 1,1-Dichloropropene	7.93	75	284797	48.088	ug/l	98
37) Ethyl Acetate	7.08	43	168336	47.274	ug/l	95
38) Carbon Tetrachloride	7.91	117	297372	48.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	344426	46.906	ug/l	96
40) Benzene	8.16	78	816139	50.336	ug/l	99
41) Methacrylonitrile	7.33	41	101102m	53.152	ug/l	
42) 1,2-Dichloroethane	8.24	62	257798	50.259	ug/l	99
43) Isopropyl Acetate	8.28	43	332821	49.165	ug/l	97
44) Trichloroethene	8.94	130	249735	52.992	ug/l	99
45) 1,2-Dichloropropane	9.22	63	215732	49.456	ug/l	96
46) Dibromomethane	9.31	93	128616	52.791	ug/l	97
47) Bromodichloromethane	9.50	83	307816	51.598	ug/l	99
48) Methyl methacrylate	9.30	41	149847	48.632	ug/l	93
49) 1,4-Dioxane	9.31	88	35258	1185.530	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	883144	252.413	ug/l	96
52) Toluene	10.24	92	522220	51.164	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	316533	50.608	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	357007	49.909	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	183859	54.308	ug/l	98
56) Ethyl methacrylate	10.51	69	268764	54.842	ug/l	94
57) 1,3-Dichloropropane	10.79	76	310523	52.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	663702	264.062	ug/l	96
59) 2-Hexanone	10.83	43	617730	252.594	ug/l	96
60) Dibromochloromethane	10.99	129	236212	54.520	ug/l	99
61) 1,2-Dibromoethane	11.09	107	181842	54.482	ug/l	99
64) Tetrachloroethene	10.72	164	271888	56.252	ug/l	99
65) Chlorobenzene	11.52	112	588045	52.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	236776	53.856	ug/l	100
67) Ethyl Benzene	11.59	91	1049386	50.939	ug/l	100
68) m/p-Xylenes	11.70	106	794328	103.601	ug/l	97
69) o-Xylene	12.03	106	379743	52.560	ug/l	95
70) Styrene	12.04	104	657161	53.241	ug/l	98
71) Bromoform	12.20	173	160780	54.845	ug/l	100
73) Isopropylbenzene	12.33	105	1025405	51.550	ug/l	100
74) N-amyl acetate	12.14	43	315909	48.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	211436	52.673	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	156411m	51.998	ug/l	
77) Bromobenzene	12.61	156	271110	53.158	ug/l	96
78) n-propylbenzene	12.67	91	1201293	50.217	ug/l	99
79) 2-Chlorotoluene	12.75	91	677308	50.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	853203	51.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	77036	49.827	ug/l	96
82) 4-Chlorotoluene	12.85	91	716430	51.533	ug/l	99
83) tert-Butylbenzene	13.08	119	757591	51.690	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	868833	51.656	ug/l	98
85) sec-Butylbenzene	13.25	105	1035102	51.238	ug/l	100
86) p-Isopropyltoluene	13.37	119	963504	51.471	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	503768	52.907	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	497163	52.951	ug/l	99
89) n-Butylbenzene	13.69	91	889304	49.653	ug/l	99
90) Hexachloroethane	13.96	117	180812	48.643	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	451302	52.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	34516	48.573	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	317525	50.019	ug/l	100
94) Hexachlorobutadiene	15.11	225	199416	49.803	ug/l	99
95) Naphthalene	15.23	128	574515	49.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	261216	47.388	ug/l	99

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

