

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003306.D
 Acq On : 22 Jul 2020 22:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 12:23:04 PM

Quant Time: Jul 23 06:39:38 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	352532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	547287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	522005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	280196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	165447	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	
35) Dibromofluoromethane	7.72	113	157186	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.18	98	565586	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.48	95	205971	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	105138	41.611	ug/l	95
3) Chloromethane	2.12	50	173231	49.428	ug/l	99
4) Vinyl Chloride	2.26	62	173196	48.164	ug/l	100
5) Bromomethane	2.65	94	145444	54.455	ug/l	94
6) Chloroethane	2.80	64	118314	50.094	ug/l	100
7) Trichlorofluoromethane	3.13	101	245516	47.809	ug/l	97
8) Diethyl Ether	3.54	74	97853	56.864	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	145501	46.913	ug/l	97
10) Methyl Iodide	4.10	142	130894	38.846	ug/l	98
11) Tert butyl alcohol	4.96	59	90353	280.821	ug/l	98
12) 1,1-Dichloroethene	3.88	96	143883	49.048	ug/l	97
13) Acrolein	3.74	56	58685	210.140	ug/l	96
14) Allyl chloride	4.49	41	251980	57.888	ug/l	95
15) Acrylonitrile	5.17	53	259074	313.415	ug/l	99
16) Acetone	3.95	43	191949	288.803	ug/l	93
17) Carbon Disulfide	4.20	76	448153	49.785	ug/l	99
18) Methyl Acetate	4.49	43	121992	66.093	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	467593	56.879	ug/l	98
20) Methylene Chloride	4.72	84	190727	57.903	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	172647	52.034	ug/l	94
22) Diisopropyl ether	6.13	45	585626	60.620	ug/l	96
23) Vinyl Acetate	6.07	43	1879582	291.903	ug/l	98
24) 1,1-Dichloroethane	6.02	63	315082	56.296	ug/l	100
25) 2-Butanone	6.99	43	333684	305.776	ug/l	99
26) 2,2-Dichloropropane	6.99	77	237647	47.148	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	203297	55.649	ug/l	99
28) Bromochloromethane	7.34	49	146545	60.476	ug/l	96
29) Tetrahydrofuran	7.35	42	227158	309.860	ug/l	96
30) Chloroform	7.51	83	325394	56.448	ug/l	97
31) Cyclohexane	7.79	56	257324	47.546	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	279211	53.803	ug/l	98
36) 1,1-Dichloropropene	7.93	75	240227	48.431	ug/l	98
37) Ethyl Acetate	7.08	43	153491	57.461	ug/l	97
38) Carbon Tetrachloride	7.91	117	248629	48.554	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	278004	44.615	ug/l	97
40) Benzene	8.16	78	709419	51.942	ug/l	97
41) Methacrylonitrile	7.33	41	94827m	58.942	ug/l	
42) 1,2-Dichloroethane	8.24	62	219426	52.185	ug/l	99
43) Isopropyl Acetate	8.28	43	292021	56.478	ug/l	98
44) Trichloroethene	8.94	130	198188	47.336	ug/l	98
45) 1,2-Dichloropropane	9.22	63	189003	53.481	ug/l	98
46) Dibromomethane	9.31	93	106368	51.532	ug/l	99
47) Bromodichloromethane	9.50	83	262777	53.528	ug/l	99
48) Methyl methacrylate	9.30	41	129929	56.209	ug/l	96
49) 1,4-Dioxane	9.30	88	29207	1114.902	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	770823	286.820	ug/l	98
52) Toluene	10.24	92	443721	50.829	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	265631	52.225	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	304867	52.022	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	156388	53.468	ug/l	98
56) Ethyl methacrylate	10.51	69	220207	55.377	ug/l	97
57) 1,3-Dichloropropane	10.79	76	267335	53.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	611250	301.401	ug/l	97
59) 2-Hexanone	10.83	43	535153	285.254	ug/l	98
60) Dibromochloromethane	10.99	129	195663	53.186	ug/l	99
61) 1,2-Dibromoethane	11.09	107	147078	50.949	ug/l	98
64) Tetrachloroethene	10.72	164	207138	44.504	ug/l	98
65) Chlorobenzene	11.52	112	496542	49.377	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	197737	50.627	ug/l	99
67) Ethyl Benzene	11.59	91	883867	49.226	ug/l	99
68) m/p-Xylenes	11.70	106	665732	97.719	ug/l	99
69) o-Xylene	12.03	106	317786	49.931	ug/l	98
70) Styrene	12.04	104	563307	51.738	ug/l	100
71) Bromoform	12.20	173	130856	51.047	ug/l	100
73) Isopropylbenzene	12.33	105	856196	47.950	ug/l	99
74) N-amyl acetate	12.14	43	266142	53.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	182595	52.947	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	121615m	49.034	ug/l	
77) Bromobenzene	12.61	156	223203	49.039	ug/l	99
78) n-propylbenzene	12.67	91	1018725	48.401	ug/l	99
79) 2-Chlorotoluene	12.75	91	573642	48.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	730217	49.067	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62724	49.219	ug/l	95
82) 4-Chlorotoluene	12.85	91	601302	49.057	ug/l	100
83) tert-Butylbenzene	13.07	119	632577	48.173	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	746347	49.843	ug/l	98
85) sec-Butylbenzene	13.25	105	873010	48.370	ug/l	100
86) p-Isopropyltoluene	13.36	119	815379	48.385	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	426842	49.592	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	421685	49.484	ug/l	100
89) n-Butylbenzene	13.69	91	754829	47.619	ug/l	99
90) Hexachloroethane	13.95	117	161999	52.787	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	386936	51.227	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28525	51.020	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	258713	48.146	ug/l	100
94) Hexachlorobutadiene	15.11	225	172453	46.837	ug/l	97
95) Naphthalene	15.23	128	462496	52.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	212058	49.923	ug/l	97

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

