

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001443.D
 Acq On : 30 Jan 2020 20:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:26:04 PM

Quant Time: Jan 31 04:11:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	166629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103314	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
35) Dibromofluoromethane	7.75	113	95352	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.19	98	385402	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.50	95	143781	51.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	65013	49.475	ug/l	99
3) Chloromethane	2.13	50	96793	48.737	ug/l	100
4) Vinyl Chloride	2.26	62	100161	48.367	ug/l	97
5) Bromomethane	2.66	94	70034	50.215	ug/l	99
6) Chloroethane	2.81	64	66645	50.365	ug/l	92
7) Trichlorofluoromethane	3.15	101	136790	51.627	ug/l	97
8) Diethyl Ether	3.55	74	58796	52.567	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	89105	52.808	ug/l	99
10) Methyl Iodide	4.11	142	104780	47.083	ug/l	99
11) Tert butyl alcohol	4.99	59	57284	251.413	ug/l	99
12) 1,1-Dichloroethene	3.90	96	87681	49.560	ug/l	94
13) Acrolein	3.75	56	38530	288.495	ug/l	99
14) Allyl chloride	4.50	41	162190	51.407	ug/l	99
15) Acrylonitrile	5.20	53	163459	285.504	ug/l	99
16) Acetone	3.97	43	136840	287.634	ug/l	98
17) Carbon Disulfide	4.22	76	256094	46.026	ug/l	98
18) Methyl Acetate	4.50	43	83593	54.670	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	278209	53.707	ug/l	99
20) Methylene Chloride	4.75	84	110709	49.394	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	102372	49.815	ug/l	98
22) Diisopropyl ether	6.15	45	355185	53.016	ug/l	97
23) Vinyl Acetate	6.09	43	1170326	269.076	ug/l	99
24) 1,1-Dichloroethane	6.05	63	185341	52.485	ug/l	98
25) 2-Butanone	7.02	43	221209	280.300	ug/l	98
26) 2,2-Dichloropropane	7.01	77	154726	49.189	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	120153	52.315	ug/l	99
28) Bromochloromethane	7.36	49	91019	62.500	ug/l	98
29) Tetrahydrofuran	7.38	42	146246	284.839	ug/l	98
30) Chloroform	7.53	83	181314	52.383	ug/l	100
31) Cyclohexane	7.81	56	170497	48.628	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	151475	51.829	ug/l	100
36) 1,1-Dichloropropene	7.94	75	141913	49.200	ug/l	100
37) Ethyl Acetate	7.10	43	97357	55.245	ug/l	99
38) Carbon Tetrachloride	7.92	117	127693	49.674	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	179260	48.514	ug/l	97
40) Benzene	8.19	78	437332	50.567	ug/l	100
41) Methacrylonitrile	7.35	41	45314m	49.828	ug/l	
42) 1,2-Dichloroethane	8.26	62	124446	51.497	ug/l	99
43) Isopropyl Acetate	8.30	43	187481	54.712	ug/l	99
44) Trichloroethene	8.96	130	108096	48.706	ug/l	97
45) 1,2-Dichloropropane	9.24	63	112827	51.606	ug/l	100
46) Dibromomethane	9.32	93	60493	51.539	ug/l	98
47) Bromodichloromethane	9.52	83	145488	51.852	ug/l	97
48) Methyl methacrylate	9.31	41	84254	54.085	ug/l	99
49) 1,4-Dioxane	9.32	88	17786	1074.556	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	490321	277.847	ug/l	100
52) Toluene	10.26	92	273458	49.879	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	161370	51.888	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	179323	50.236	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	90589	52.291	ug/l	98
56) Ethyl methacrylate	10.52	69	142022	54.240	ug/l	99
57) 1,3-Dichloropropane	10.80	76	160927	53.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	244598	269.958	ug/l	99
59) 2-Hexanone	10.85	43	355488	289.358	ug/l	99
60) Dibromochloromethane	11.00	129	100960	52.105	ug/l	99
61) 1,2-Dibromoethane	11.10	107	87625	53.504	ug/l	99
64) Tetrachloroethene	10.74	164	91233	51.589	ug/l	98
65) Chlorobenzene	11.53	112	289841	49.667	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	101857	51.145	ug/l	99
67) Ethyl Benzene	11.61	91	536343	49.871	ug/l	99
68) m/p-Xylenes	11.72	106	399590	99.483	ug/l	99
69) o-Xylene	12.04	106	191759	49.626	ug/l	99
70) Styrene	12.06	104	343891	50.724	ug/l	99
71) Bromoform	12.22	173	60820	51.160	ug/l #	99
73) Isopropylbenzene	12.34	105	514766	49.193	ug/l	100
74) N-amyl acetate	12.16	43	184687	53.918	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	119664	53.396	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	90035m	56.342	ug/l	
77) Bromobenzene	12.62	156	115622	49.886	ug/l	97
78) n-propylbenzene	12.69	91	625678	49.676	ug/l	99
79) 2-Chlorotoluene	12.77	91	357361	49.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	432463	49.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	44685	52.917	ug/l	95
82) 4-Chlorotoluene	12.87	91	380264	49.475	ug/l	100
83) tert-Butylbenzene	13.09	119	365511	49.643	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	433937	49.483	ug/l	100
85) sec-Butylbenzene	13.27	105	526737	50.353	ug/l	99
86) p-Isopropyltoluene	13.38	119	461161	50.025	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	220871	49.481	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	223036	49.211	ug/l	99
89) n-Butylbenzene	13.71	91	463715	49.981	ug/l	99
90) Hexachloroethane	13.97	117	88309	50.537	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	207767	50.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	20539	53.111	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	131502	47.595	ug/l	99
94) Hexachlorobutadiene	15.12	225	64248	47.757	ug/l	98
95) Naphthalene	15.25	128	332370	52.609	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	117394	48.436	ug/l	99

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

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