

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001342.D
 Acq On : 22 Jan 2020 19:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 10:56:34 AM

Quant Time: Jan 23 04:21:51 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	7.83	168	196153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	350180	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	310401	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	149669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	113045	52.96	ug/l	0.01
Spiked Amount			Recovery	=	105.92%	
35) Dibromofluoromethane	7.76	113	104592	50.89	ug/l	0.01
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.21	98	417191	52.25	ug/l	0.02
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.50	95	158469	49.83	ug/l	0.01
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	77436	50.060	ug/l	98
3) Chloromethane	2.13	50	111001	47.478	ug/l	100
4) Vinyl Chloride	2.27	62	117357	48.141	ug/l	98
5) Bromomethane	2.67	94	81146	49.425	ug/l	100
6) Chloroethane	2.82	64	76556	49.147	ug/l	96
7) Trichlorofluoromethane	3.16	101	157070	50.359	ug/l	100
8) Diethyl Ether	3.57	74	64750	49.177	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	100524	50.609	ug/l	98
10) Methyl Iodide	4.13	142	127662	48.730	ug/l	99
11) Tert butyl alcohol	5.01	59	65138	242.138	ug/l	99
12) 1,1-Dichloroethene	3.91	96	102758	49.340	ug/l	95
13) Acrolein	3.77	56	42693	270.752	ug/l	98
14) Allyl chloride	4.52	41	182926	49.253	ug/l	100
15) Acrylonitrile	5.22	53	169380	251.316	ug/l	100
16) Acetone	3.99	43	153524	273.765	ug/l	99
17) Carbon Disulfide	4.24	76	317915	48.537	ug/l	100
18) Methyl Acetate	4.52	43	84928	47.183	ug/l	100
19) Methyl tert-butyl Ether	5.27	73	302263	49.568	ug/l	99
20) Methylene Chloride	4.77	84	123779	46.681	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	117327	48.498	ug/l	99
22) Diisopropyl ether	6.17	45	387491	49.132	ug/l	95
23) Vinyl Acetate	6.11	43	1269782	248.000	ug/l	100
24) 1,1-Dichloroethane	6.07	63	206563	49.690	ug/l	99
25) 2-Butanone	7.03	43	234698	252.630	ug/l	97
26) 2,2-Dichloropropane	7.03	77	171749	46.383	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	134295	49.671	ug/l	100
28) Bromochloromethane	7.38	49	88882	51.846	ug/l	99
29) Tetrahydrofuran	7.39	42	150927	249.711	ug/l	99
30) Chloroform	7.55	83	201314	49.407	ug/l	99
31) Cyclohexane	7.82	56	195783	47.435	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	170834	49.655	ug/l	99
36) 1,1-Dichloropropene	7.96	75	159845	48.316	ug/l	99
37) Ethyl Acetate	7.12	43	99554	49.253	ug/l	99
38) Carbon Tetrachloride	7.94	117	145353	49.298	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	206735	48.780	ug/l	98
40) Benzene	8.20	78	488179	49.213	ug/l	99
41) Methacrylonitrile	7.36	41	51697m	49.563	ug/l	
42) 1,2-Dichloroethane	8.27	62	135754	48.978	ug/l	100
43) Isopropyl Acetate	8.31	43	198373	50.472	ug/l	99
44) Trichloroethene	8.97	130	123481	48.509	ug/l	99
45) 1,2-Dichloropropane	9.25	63	124470	49.636	ug/l	99
46) Dibromomethane	9.33	93	66281	49.234	ug/l	99
47) Bromodichloromethane	9.52	83	160293	49.808	ug/l	99
48) Methyl methacrylate	9.32	41	88570	49.570	ug/l	99
49) 1,4-Dioxane	9.33	88	19105	1006.337	ug/l	96
51) 4-Methyl-2-Pentanone	10.10	43	508301	251.126	ug/l	100
52) Toluene	10.27	92	305684	48.613	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	177214	49.680	ug/l	99
54) cis-1,3-Dichloropropene	9.96	75	203699	49.752	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	97737	49.187	ug/l	97
56) Ethyl methacrylate	10.53	69	150595	50.144	ug/l	99
57) 1,3-Dichloropropane	10.81	76	173483	50.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	250491	241.035	ug/l	99
59) 2-Hexanone	10.85	43	363484	257.953	ug/l	100
60) Dibromochloromethane	11.00	129	111437	50.143	ug/l	100
61) 1,2-Dibromoethane	11.11	107	93733	49.899	ug/l	99
64) Tetrachloroethene	10.74	164	100134	50.503	ug/l	98
65) Chlorobenzene	11.53	112	322370	49.271	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	113590	50.873	ug/l	99
67) Ethyl Benzene	11.61	91	589081	48.855	ug/l	99
68) m/p-Xylenes	11.72	106	444413	98.684	ug/l	100
69) o-Xylene	12.05	106	211189	48.748	ug/l	98
70) Styrene	12.06	104	381691	50.215	ug/l	98
71) Bromoform	12.22	173	67689	50.784	ug/l #	98
73) Isopropylbenzene	12.35	105	567858	48.082	ug/l	100
74) N-amyl acetate	12.16	43	195199	50.493	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	125352	49.560	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	92248m	51.149	ug/l	
77) Bromobenzene	12.62	156	126817	48.480	ug/l	99
78) n-propylbenzene	12.69	91	690391	48.567	ug/l	100
79) 2-Chlorotoluene	12.77	91	394989	48.639	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	478661	48.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	47603	49.949	ug/l	98
82) 4-Chlorotoluene	12.87	91	417065	48.080	ug/l	100
83) tert-Butylbenzene	13.09	119	406700	48.943	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	482107	48.711	ug/l	100
85) sec-Butylbenzene	13.27	105	579800	49.109	ug/l	99
86) p-Isopropyltoluene	13.38	119	507016	48.732	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	242798	48.195	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	248401	48.562	ug/l	99
89) n-Butylbenzene	13.70	91	510173	48.723	ug/l	99
90) Hexachloroethane	13.97	117	97785	49.583	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	227248	48.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	21547	49.369	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	149446	47.926	ug/l	99
94) Hexachlorobutadiene	15.12	225	72735	47.904	ug/l	99
95) Naphthalene	15.25	128	354684	49.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	131873	48.210	ug/l	98

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

