

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003901.D
 Acq On : 12 Jan 2021 15:19
 Operator : SY/MD
 Sample : VY0112SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0112SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:36:45 PM

Quant Time: Jan 13 02:32:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:47:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	129282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	191975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	178837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100715	50.15	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.30%
35) Dibromofluoromethane	7.722	113	78077	49.77	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.54%
50) Toluene-d8	10.179	98	311048	48.92	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.84%
62) 4-Bromofluorobenzene	12.477	95	113446	48.86	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.72%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37415	22.30	ug/l	93
3) Chloromethane	2.119	50	47388	21.61	ug/l	98
4) Vinyl Chloride	2.253	62	48203	20.84	ug/l	99
5) Bromomethane	2.644	94	35145	21.12	ug/l	98
6) Chloroethane	2.796	64	31028	21.80	ug/l	95
7) Trichlorofluoromethane	3.125	101	65194	21.54	ug/l	99
8) Diethyl Ether	3.534	74	20682	21.30	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	34210	21.81	ug/l	93
10) Methyl Iodide	4.101	142	40672	21.79	ug/l	98
11) Tert butyl alcohol	4.966	59	22205	106.35	ug/l	98
12) 1,1-Dichloroethene	3.875	96	33559	21.91	ug/l	91
13) Acrolein	3.735	56	20477	103.07	ug/l	95
14) Allyl chloride	4.485	41	70397	21.23	ug/l	95
15) Acrylonitrile	5.174	53	58775	108.26	ug/l	99
16) Acetone	3.954	43	52239	105.19	ug/l	93
17) Carbon Disulfide	4.198	76	109295	21.41	ug/l	98
18) Methyl Acetate	4.479	43	27584	20.88	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	100907	21.16	ug/l	100
20) Methylene Chloride	4.722	84	49437	26.57	ug/l	86
21) trans-1,2-Dichloroethene	5.228	96	37466	21.34	ug/l	98
22) Diisopropyl ether	6.125	45	139075	21.52	ug/l	96
23) Vinyl Acetate	6.064	43	483705	108.07	ug/l	96
24) 1,1-Dichloroethane	6.027	63	68253	21.08	ug/l	99
25) 2-Butanone	6.990	43	83269	107.62	ug/l #	89
26) 2,2-Dichloropropane	6.990	77	63874	21.09	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	40957	21.15	ug/l	92
28) Bromochloromethane	7.338	49	30481	20.28	ug/l	83
29) Tetrahydrofuran	7.356	42	56232	108.10	ug/l	94
30) Chloroform	7.515	83	69260	21.31	ug/l	100
31) Cyclohexane	7.789	56	71444	21.21	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	63454	20.95	ug/l	96
36) 1,1-Dichloropropene	7.923	75	55261	21.03	ug/l	98
37) Ethyl Acetate	7.076	43	40350	22.82	ug/l	96
38) Carbon Tetrachloride	7.905	117	57476	20.66	ug/l	98
39) Methylcyclohexane	9.185	83	66633	21.08	ug/l	94
40) Benzene	8.161	78	154859	21.51	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	20277m	20.39	ug/l	
42) 1,2-Dichloroethane	8.240	62	52928	21.37	ug/l	98
43) Isopropyl Acetate	8.277	43	73621	21.86	ug/l	93
44) Trichloroethene	8.941	130	40899	20.78	ug/l	81
45) 1,2-Dichloropropane	9.216	63	39579	21.21	ug/l	95
46) Dibromomethane	9.307	93	21657	20.89	ug/l	95
47) Bromodichloromethane	9.496	83	56599	21.87	ug/l	98
48) Methyl methacrylate	9.289	41	33611	21.09	ug/l	92
49) 1,4-Dioxane	9.301	88	5712	406.80	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	191399	107.17	ug/l	95
52) Toluene	10.240	92	95371	20.92	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	59479	21.28	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	65151	21.37	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	30367	21.58	ug/l	98
56) Ethyl methacrylate	10.508	69	45597	21.54	ug/l #	89
57) 1,3-Dichloropropane	10.788	76	54237	21.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	119748	113.92	ug/l	96
59) 2-Hexanone	10.831	43	137380	110.50	ug/l	93
60) Dibromochloromethane	10.984	129	39377	21.61	ug/l	100
61) 1,2-Dibromoethane	11.087	107	29364	21.25	ug/l	96
64) Tetrachloroethene	10.715	164	46290	21.29	ug/l	98
65) Chlorobenzene	11.514	112	101992	21.53	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	39484	21.84	ug/l	97
67) Ethyl Benzene	11.593	91	189456	21.29	ug/l	100
68) m/p-Xylenes	11.703	106	140906	42.72	ug/l	95
69) o-Xylene	12.026	106	66037	21.36	ug/l	96
70) Styrene	12.044	104	112139	21.14	ug/l	96
71) Bromoform	12.203	173	25962	21.84	ug/l #	100
73) Isopropylbenzene	12.325	105	184527	21.40	ug/l	99
74) N-amyl acetate	12.142	43	67421	21.85	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	35254	21.54	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	28643m	22.05	ug/l	
77) Bromobenzene	12.605	156	44934	21.34	ug/l	88
78) n-propylbenzene	12.666	91	222389	21.54	ug/l	98
79) 2-Chlorotoluene	12.752	91	125936	21.64	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	159785	21.42	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	14530	21.23	ug/l #	82
82) 4-Chlorotoluene	12.849	91	132625	21.41	ug/l	98
83) tert-Butylbenzene	13.075	119	135356	21.43	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	160367	21.67	ug/l	97
85) sec-Butylbenzene	13.251	105	186458	21.47	ug/l	100
86) p-Isopropyltoluene	13.367	119	178139	21.78	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	86274	21.24	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	86681	21.75	ug/l	98
89) n-Butylbenzene	13.690	91	169330	21.79	ug/l	98
90) Hexachloroethane	13.959	117	32010	21.61	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	77508	21.81	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7718	22.41	ug/l	85
93) 1,2,4-Trichlorobenzene	15.001	180	56664	21.64	ug/l	99
94) Hexachlorobutadiene	15.105	225	37610	21.72	ug/l	100
95) Naphthalene	15.233	128	107608	21.81	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	49778	21.59	ug/l	99

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

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