

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021221\
 Data File : VY004023.D
 Acq On : 12 Feb 2021 14:43
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 10:26:14 AM

Quant Time: Feb 13 00:11:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	83601	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	128038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	114292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	59273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44420	48.32	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.64%		
35) Dibromofluoromethane	7.722	113	37273	49.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.58%		
50) Toluene-d8	10.173	98	135713	46.19	ug/l	-0.01
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.38%		
62) 4-Bromofluorobenzene	12.477	95	53229	49.70	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.40%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	18538	22.37	ug/l	100
3) Chloromethane	2.113	50	23697	22.70	ug/l	99
4) Vinyl Chloride	2.253	62	24160	22.20	ug/l	96
5) Bromomethane	2.644	94	15131	19.52	ug/l	93
6) Chloroethane	2.790	64	13628	19.98	ug/l	97
7) Trichlorofluoromethane	3.125	101	31878	21.14	ug/l	90
8) Diethyl Ether	3.534	74	10294	21.82	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	17276	22.20	ug/l	99
10) Methyl Iodide	4.094	142	20026	20.80	ug/l	95
11) Tert butyl alcohol	4.960	59	9030	87.47	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	16739	22.18	ug/l	89
13) Acrolein	3.735	56	8083	95.38	ug/l	97
14) Allyl chloride	4.485	41	32375	23.30	ug/l	98
15) Acrylonitrile	5.174	53	27180	113.21	ug/l	99
16) Acetone	3.954	43	27364	121.26	ug/l	100
17) Carbon Disulfide	4.198	76	54764	22.08	ug/l	97
18) Methyl Acetate	4.479	43	12684	22.55	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	49021	21.28	ug/l	98
20) Methylene Chloride	4.722	84	21855	22.81	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	18821	21.67	ug/l	99
22) Diisopropyl ether	6.125	45	64821	23.45	ug/l	98
23) Vinyl Acetate	6.064	43	218451	115.97	ug/l	99
24) 1,1-Dichloroethane	6.021	63	33627	21.94	ug/l	98
25) 2-Butanone	6.990	43	39342	122.36	ug/l	99
26) 2,2-Dichloropropane	6.984	77	31091	21.29	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	20597	21.37	ug/l	100
28) Bromochloromethane	7.338	49	13811	20.92	ug/l	97
29) Tetrahydrofuran	7.350	42	23393	114.15	ug/l	97
30) Chloroform	7.508	83	32817	20.37	ug/l	98
31) Cyclohexane	7.789	56	33619	21.78	ug/l #	93
32) 1,1,1-Trichloroethane	7.704	97	29706	19.99	ug/l	97
36) 1,1-Dichloropropene	7.917	75	26734	20.65	ug/l	97
37) Ethyl Acetate	7.076	43	17053	23.28	ug/l	99
38) Carbon Tetrachloride	7.899	117	26937	19.25	ug/l	96
39) Methylcyclohexane	9.179	83	33009	21.39	ug/l	99
40) Benzene	8.161	78	73778	20.61	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	9545m	19.75	ug/l	
42) 1,2-Dichloroethane	8.240	62	23891	19.39	ug/l	100
43) Isopropyl Acetate	8.271	43	31003	21.76	ug/l	99
44) Trichloroethene	8.941	130	20254	20.47	ug/l	98
45) 1,2-Dichloropropane	9.216	63	18907	21.34	ug/l	95
46) Dibromomethane	9.307	93	10229	20.20	ug/l	97
47) Bromodichloromethane	9.496	83	26203	20.01	ug/l	99
48) Methyl methacrylate	9.289	41	14980	21.52	ug/l	96
49) 1,4-Dioxane	9.295	88	2729	506.79	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	82032	112.72	ug/l	98
52) Toluene	10.240	92	40718	18.02	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	24764	17.95	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	31849	20.82	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	14215	20.25	ug/l	97
56) Ethyl methacrylate	10.508	69	18535	18.50	ug/l	92
57) 1,3-Dichloropropane	10.788	76	26176	20.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	49956	109.96	ug/l	99
59) 2-Hexanone	10.831	43	59175	116.01	ug/l	98
60) Dibromochloromethane	10.983	129	18205	19.90	ug/l	97
61) 1,2-Dibromoethane	11.087	107	14147	20.15	ug/l	96
64) Tetrachloroethene	10.715	164	22073	21.54	ug/l	98
65) Chlorobenzene	11.514	112	47911	20.68	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	18211	20.15	ug/l	99
67) Ethyl Benzene	11.587	91	89615	20.63	ug/l	99
68) m/p-Xylenes	11.697	106	66432	41.27	ug/l	99
69) o-Xylene	12.026	106	30574	20.42	ug/l	98
70) Styrene	12.038	104	54142	20.95	ug/l	98
71) Bromoform	12.203	173	11588	20.03	ug/l #	97
73) Isopropylbenzene	12.325	105	87450	20.61	ug/l	98
74) N-amyl acetate	12.142	43	27658	22.18	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	16105	20.93	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	12083m	20.23	ug/l	
77) Bromobenzene	12.605	156	20995	19.97	ug/l	99
78) n-propylbenzene	12.666	91	104883	20.78	ug/l	100
79) 2-Chlorotoluene	12.751	91	59356	20.53	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	74274	20.40	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	6677	21.37	ug/l	99
82) 4-Chlorotoluene	12.849	91	62139	20.32	ug/l	99
83) tert-Butylbenzene	13.068	119	63321	20.92	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	74868	20.52	ug/l	98
85) sec-Butylbenzene	13.251	105	88133	21.01	ug/l	99
86) p-Isopropyltoluene	13.367	119	81742	20.89	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	40141	20.25	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	39927	20.40	ug/l	99
89) n-Butylbenzene	13.690	91	78377	21.57	ug/l	100
90) Hexachloroethane	13.959	117	14576	20.35	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	35910	20.34	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3318	20.92	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	25786	21.10	ug/l	99
94) Hexachlorobutadiene	15.105	225	16414	20.90	ug/l	99
95) Naphthalene	15.233	128	47534	20.72	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	21745	20.65	ug/l	99

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

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