

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
 Data File : VY003998.D
 Acq On : 11 Feb 2021 12:57
 Operator : SY/MD
 Sample : VY0211SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:36:00 PM

Quant Time: Feb 11 13:21:27 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	7.795	168	126159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	189231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	183857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91522	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	66209	47.73	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.46%
35) Dibromofluoromethane	7.716	113	51147	46.23	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.46%
50) Toluene-d8	10.179	98	204501	47.10	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.20%
62) 4-Bromofluorobenzene	12.477	95	75107	47.45	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.90%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33215	26.56	ug/l	96
3) Chloromethane	2.113	50	42047	26.70	ug/l	97
4) Vinyl Chloride	2.253	62	44378	27.03	ug/l	98
5) Bromomethane	2.656	94	29776	25.46	ug/l	99
6) Chloroethane	2.796	64	25169	24.45	ug/l	96
7) Trichlorofluoromethane	3.131	101	55430	24.36	ug/l	93
8) Diethyl Ether	3.527	74	15249	21.42	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.911	101	25608	21.80	ug/l	97
10) Methyl Iodide	4.094	142	29060	20.00	ug/l	99
11) Tert butyl alcohol	4.972	59	11915	70.92	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	25610	22.49	ug/l	90
13) Acrolein	3.735	56	10934	85.50	ug/l	93
14) Allyl chloride	4.491	41	47122	22.47	ug/l	92
15) Acrylonitrile	5.173	53	35274	97.36	ug/l	98
16) Acetone	3.960	43	38545	113.19	ug/l	96
17) Carbon Disulfide	4.198	76	84178	22.49	ug/l	98
18) Methyl Acetate	4.491	43	16208	19.09	ug/l	96
19) Methyl tert-butyl Ether	5.234	73	69565	20.01	ug/l	94
20) Methylene Chloride	4.728	84	30325	20.97	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	28618	21.84	ug/l	85
22) Diisopropyl ether	6.124	45	92587	22.19	ug/l	97
23) Vinyl Acetate	6.064	43	298401	104.97	ug/l	97
24) 1,1-Dichloroethane	6.021	63	50669	21.91	ug/l	98
25) 2-Butanone	6.990	43	49023	101.04	ug/l	98
26) 2,2-Dichloropropane	6.984	77	49853	22.62	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	30449	20.94	ug/l	98
28) Bromochloromethane	7.338	49	18895	18.97	ug/l	85
29) Tetrahydrofuran	7.350	42	28126	90.95	ug/l	92
30) Chloroform	7.514	83	51431	21.16	ug/l	97
31) Cyclohexane	7.783	56	48154	20.67	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	49594	22.12	ug/l	99
36) 1,1-Dichloropropene	7.923	75	40142	20.98	ug/l	98
37) Ethyl Acetate	7.076	43	20374	18.82	ug/l	98
38) Carbon Tetrachloride	7.905	117	44764	21.65	ug/l	93
39) Methylcyclohexane	9.185	83	48576	21.29	ug/l	97
40) Benzene	8.161	78	113191	21.39	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	15081m	21.12	ug/l	
42) 1,2-Dichloroethane	8.240	62	38634	21.21	ug/l	98
43) Isopropyl Acetate	8.277	43	38311	18.19	ug/l	95
44) Trichloroethene	8.941	130	31173	21.32	ug/l	96
45) 1,2-Dichloropropane	9.215	63	26162	19.98	ug/l	100
46) Dibromomethane	9.307	93	14363	19.19	ug/l	95
47) Bromodichloromethane	9.496	83	39362	20.34	ug/l	99
48) Methyl methacrylate	9.289	41	19237	18.70	ug/l	98
49) 1,4-Dioxane	9.301	88	3173	398.69	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	96755	89.96	ug/l	98
52) Toluene	10.246	92	71808	21.50	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	41148	20.19	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	44908	19.87	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	20178	19.45	ug/l	96
56) Ethyl methacrylate	10.508	69	26647	17.99	ug/l	99
57) 1,3-Dichloropropane	10.788	76	35634	19.18	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	68028	101.31	ug/l	98
59) 2-Hexanone	10.831	43	70938	94.10	ug/l	97
60) Dibromochloromethane	10.983	129	27362	20.24	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20176	19.44	ug/l	98
64) Tetrachloroethene	10.721	164	33655	20.41	ug/l	95
65) Chlorobenzene	11.514	112	78656	21.11	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	29482	20.28	ug/l	98
67) Ethyl Benzene	11.593	91	143605	20.55	ug/l	97
68) m/p-Xylenes	11.703	106	107441	41.49	ug/l	100
69) o-Xylene	12.026	106	49288	20.46	ug/l	97
70) Styrene	12.044	104	84847	20.41	ug/l	98
71) Bromoform	12.209	173	16753	18.00	ug/l #	95
73) Isopropylbenzene	12.325	105	134551	20.54	ug/l	100
74) N-amyl acetate	12.142	43	35959	18.67	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	21141	17.80	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	17851m	19.36	ug/l	
77) Bromobenzene	12.605	156	32817	20.21	ug/l	95
78) n-propylbenzene	12.666	91	164442	21.10	ug/l	99
79) 2-Chlorotoluene	12.751	91	92597	20.74	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	116366	20.70	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8895	18.44	ug/l	90
82) 4-Chlorotoluene	12.855	91	96117	20.36	ug/l	100
83) tert-Butylbenzene	13.074	119	101606	21.74	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	118431	21.02	ug/l	100
85) sec-Butylbenzene	13.251	105	137737	21.27	ug/l	98
86) p-Isopropyltoluene	13.367	119	128718	21.30	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	64000	20.91	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	63312	20.95	ug/l	99
89) n-Butylbenzene	13.696	91	118638	21.15	ug/l	99
90) Hexachloroethane	13.958	117	21975	19.87	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	55996	20.54	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4241	17.32	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	39602	20.99	ug/l	98
94) Hexachlorobutadiene	15.111	225	26525	21.87	ug/l	97
95) Naphthalene	15.233	128	64802	18.30	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	32606	20.06	ug/l	99

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

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