

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021221\
 Data File : VY004022.D
 Acq On : 12 Feb 2021 14:20
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 10:26:12 AM

Quant Time: Feb 13 00:10:53 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	85865	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	130041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58429	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44655	47.29	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.58%		
35) Dibromofluoromethane	7.722	113	37357	49.13	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.26%		
50) Toluene-d8	10.179	98	146703	49.17	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.34%		
62) 4-Bromofluorobenzene	12.477	95	52951	48.68	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.36%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	20625	24.23	ug/l	98
3) Chloromethane	2.119	50	26353	24.58	ug/l	99
4) Vinyl Chloride	2.253	62	26534	23.74	ug/l	95
5) Bromomethane	2.650	94	16347	20.53	ug/l	96
6) Chloroethane	2.796	64	14335	20.46	ug/l	96
7) Trichlorofluoromethane	3.131	101	29457	19.02	ug/l	90
8) Diethyl Ether	3.540	74	9937	20.51	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	17717	22.16	ug/l	98
10) Methyl Iodide	4.095	142	20111	20.33	ug/l	94
11) Tert butyl alcohol	4.966	59	8629	78.33	ug/l	98
12) 1,1-Dichloroethene	3.881	96	17342	22.38	ug/l	98
13) Acrolein	3.735	56	8210	94.32	ug/l	99
14) Allyl chloride	4.485	41	34648	24.28	ug/l	98
15) Acrylonitrile	5.174	53	26470	107.34	ug/l	98
16) Acetone	3.954	43	28281	122.02	ug/l	96
17) Carbon Disulfide	4.198	76	56312	22.11	ug/l #	95
18) Methyl Acetate	4.485	43	13022	22.54	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	49533	20.93	ug/l	94
20) Methylene Chloride	4.723	84	22183	22.54	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	19298	21.64	ug/l	92
22) Diisopropyl ether	6.125	45	66942	23.58	ug/l	99
23) Vinyl Acetate	6.064	43	218323	112.84	ug/l	100
24) 1,1-Dichloroethane	6.021	63	35254	22.40	ug/l	98
25) 2-Butanone	6.990	43	37832	114.56	ug/l	99
26) 2,2-Dichloropropane	6.984	77	31396	20.93	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	20875	21.09	ug/l	99
28) Bromochloromethane	7.332	49	14110	20.81	ug/l	94
29) Tetrahydrofuran	7.350	42	22795	108.30	ug/l	97
30) Chloroform	7.509	83	34164	20.65	ug/l	99
31) Cyclohexane	7.783	56	34950	22.04	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	31284	20.50	ug/l	98
36) 1,1-Dichloropropene	7.917	75	26057	19.81	ug/l	98
37) Ethyl Acetate	7.076	43	16192	21.76	ug/l	98
38) Carbon Tetrachloride	7.899	117	26365	18.55	ug/l	98
39) Methylcyclohexane	9.179	83	33043	21.08	ug/l	97
40) Benzene	8.161	78	75714	20.82	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10808m	22.02	ug/l	
42) 1,2-Dichloroethane	8.240	62	24157	19.30	ug/l	99
43) Isopropyl Acetate	8.277	43	30016	20.74	ug/l	98
44) Trichloroethene	8.941	130	20456	20.36	ug/l	95
45) 1,2-Dichloropropane	9.216	63	19488	21.65	ug/l	100
46) Dibromomethane	9.307	93	10148	19.73	ug/l	98
47) Bromodichloromethane	9.496	83	26571	19.98	ug/l	98
48) Methyl methacrylate	9.295	41	14301	20.23	ug/l	96
49) 1,4-Dioxane	9.295	88	2242	409.94	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	76344	103.29	ug/l	99
52) Toluene	10.240	92	47804	20.83	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	26317	18.79	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	31804	20.47	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	14211	19.94	ug/l	94
56) Ethyl methacrylate	10.508	69	20225	19.87	ug/l	92
57) 1,3-Dichloropropane	10.788	76	24714	19.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	51328	111.24	ug/l	100
59) 2-Hexanone	10.831	43	53132	102.56	ug/l	97
60) Dibromochloromethane	10.984	129	17798	19.16	ug/l	99
61) 1,2-Dibromoethane	11.087	107	13743	19.27	ug/l	99
64) Tetrachloroethene	10.715	164	22022	21.06	ug/l	97
65) Chlorobenzene	11.514	112	47750	20.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	17573	19.05	ug/l	97
67) Ethyl Benzene	11.593	91	90436	20.40	ug/l	99
68) m/p-Xylenes	11.697	106	67940	41.36	ug/l	99
69) o-Xylene	12.026	106	30729	20.11	ug/l	99
70) Styrene	12.044	104	52981	20.10	ug/l	100
71) Bromoform	12.203	173	11176	18.93	ug/l #	97
73) Isopropylbenzene	12.325	105	87705	20.97	ug/l	98
74) N-amyl acetate	12.142	43	26593	21.63	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	15264	20.13	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	11997m	20.38	ug/l	
77) Bromobenzene	12.605	156	20651	19.92	ug/l	98
78) n-propylbenzene	12.666	91	104881	21.08	ug/l	99
79) 2-Chlorotoluene	12.752	91	59833	21.00	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	75036	20.91	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	6391	20.75	ug/l	99
82) 4-Chlorotoluene	12.855	91	62668	20.79	ug/l	99
83) tert-Butylbenzene	13.075	119	62945	21.10	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	74563	20.73	ug/l	98
85) sec-Butylbenzene	13.251	105	87259	21.10	ug/l	100
86) p-Isopropyltoluene	13.367	119	79777	20.68	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	39402	20.17	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	39200	20.32	ug/l	98
89) n-Butylbenzene	13.697	91	76542	21.37	ug/l	99
90) Hexachloroethane	13.959	117	12946	18.33	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	35025	20.12	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2776	17.76	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	25143	20.87	ug/l	98
94) Hexachlorobutadiene	15.111	225	16508	21.32	ug/l	99
95) Naphthalene	15.233	128	43572	19.27	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	20297	19.56	ug/l	97

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

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