

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072224\
 Data File : VY018888.D
 Acq On : 22 Jul 2024 14:04
 Operator : SY/MD
 Sample : VY0722SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Quant Time: Jul 23 01:50:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	101323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	157045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	138907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70564	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50516	50.666	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.340%	
35) Dibromofluoromethane	7.710	113	50691	51.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.173	98	183965	49.367	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	12.477	95	64728	50.863	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.720%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	14116	16.626	ug/l	97
3) Chloromethane	2.107	50	21723	16.837	ug/l	99
4) Vinyl Chloride	2.241	62	25826	17.112	ug/l	98
5) Bromomethane	2.631	94	20138	19.398	ug/l	95
6) Chloroethane	2.778	64	17570	17.919	ug/l	94
7) Trichlorofluoromethane	3.101	101	38358	19.449	ug/l	100
8) Diethyl Ether	3.521	74	9463	19.686	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.875	101	18756	18.536	ug/l	94
10) Methyl Iodide	4.076	142	16322	14.979	ug/l	92
11) Tert butyl alcohol	4.942	59	7532	74.574	ug/l #	90
12) 1,1-Dichloroethene	3.851	96	17506	17.883	ug/l	95
13) Acrolein	3.717	56	4544	56.154	ug/l	92
14) Allyl chloride	4.460	41	21834	18.004	ug/l	89
15) Acrylonitrile	5.143	53	19306	101.808	ug/l	99
16) Acetone	3.936	43	17241	93.795	ug/l	91
17) Carbon Disulfide	4.174	76	42262	15.418	ug/l	99
18) Methyl Acetate	4.466	43	11391	21.327	ug/l	98
19) Methyl tert-butyl Ether	5.204	73	46379	20.424	ug/l	92
20) Methylene Chloride	4.692	84	30331	26.837	ug/l	90
21) trans-1,2-Dichloroethene	5.198	96	18654	18.055	ug/l	97
22) Diisopropyl ether	6.106	45	51882	19.667	ug/l	96
23) Vinyl Acetate	6.039	43	199875	96.172	ug/l	97
24) 1,1-Dichloroethane	6.003	63	33278	19.758	ug/l	95
25) 2-Butanone	6.972	43	25626	99.457	ug/l #	80
26) 2,2-Dichloropropane	6.960	77	28787	18.420	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	23988	19.942	ug/l	98
28) Bromochloromethane	7.320	49	13624	20.139	ug/l	98
29) Tetrahydrofuran	7.338	42	15879	100.525	ug/l	95
30) Chloroform	7.490	83	37742	20.106	ug/l	96
31) Cyclohexane	7.777	56	26448	17.266	ug/l	95
32) 1,1,1-Trichloroethane	7.685	97	34647	19.849	ug/l	97
36) 1,1-Dichloropropene	7.905	75	25903	19.083	ug/l	100
37) Ethyl Acetate	7.057	43	10281	18.222	ug/l #	96
38) Carbon Tetrachloride	7.886	117	32341	19.782	ug/l	96
39) Methylcyclohexane	9.173	83	32120	18.465	ug/l	98
40) Benzene	8.149	78	75814	19.253	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	6449m	20.048	ug/l	
42) 1,2-Dichloroethane	8.228	62	22066	20.015	ug/l	96
43) Isopropyl Acetate	8.264	43	21907	19.513	ug/l	98
44) Trichloroethene	8.935	130	22715	20.181	ug/l	84
45) 1,2-Dichloropropane	9.209	63	18499	21.574	ug/l	89
46) Dibromomethane	9.295	93	11666	20.989	ug/l	98
47) Bromodichloromethane	9.490	83	28846	20.775	ug/l	95
48) Methyl methacrylate	9.289	41	9050	17.735	ug/l #	86
49) 1,4-Dioxane	9.283	88	2718	417.171	ug/l #	95
51) 4-Methyl-2-Pentanone	10.063	43	59339	103.522	ug/l	92
52) Toluene	10.240	92	50161	19.166	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	24309	20.277	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	28053	19.946	ug/l	92
55) 1,1,2-Trichloroethane	10.636	97	14063	19.981	ug/l	95
56) Ethyl methacrylate	10.502	69	18647	20.123	ug/l #	81
57) 1,3-Dichloropropane	10.782	76	24060	20.622	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	43216	97.619	ug/l	89
59) 2-Hexanone	10.831	43	39293	97.985	ug/l	93
60) Dibromochloromethane	10.977	129	20271	20.962	ug/l	98
61) 1,2-Dibromoethane	11.087	107	14073	20.567	ug/l	100
64) Tetrachloroethene	10.715	164	22488	20.001	ug/l	95
65) Chlorobenzene	11.514	112	57701	19.691	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	20431	20.237	ug/l	96
67) Ethyl Benzene	11.587	91	98105	19.112	ug/l	97
68) m/p-Xylenes	11.697	106	78084	38.763	ug/l	100
69) o-Xylene	12.026	106	36842	19.454	ug/l	98
70) Styrene	12.044	104	60352	19.099	ug/l	97
71) Bromoform	12.203	173	11867	21.564	ug/l #	97
73) Isopropylbenzene	12.325	105	97034	18.789	ug/l	99
74) N-amyl acetate	12.142	43	19780	18.728	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	16140	19.825	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	11075m	20.039	ug/l	
77) Bromobenzene	12.605	156	24592	19.947	ug/l	88
78) n-propylbenzene	12.666	91	115890	18.897	ug/l	97
79) 2-Chlorotoluene	12.758	91	65164	18.897	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	80392	19.025	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	5135	20.794	ug/l	86
82) 4-Chlorotoluene	12.849	91	66421	18.705	ug/l	96
83) tert-Butylbenzene	13.075	119	75415	19.331	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	79900	19.028	ug/l	100
85) sec-Butylbenzene	13.251	105	105400	19.034	ug/l	97
86) p-Isopropyltoluene	13.367	119	89795	18.784	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	46304	19.123	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	45919	19.133	ug/l	97
89) n-Butylbenzene	13.696	91	79569	18.360	ug/l	97
90) Hexachloroethane	13.959	117	16804	18.901	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	41564	19.871	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2561	19.413	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	25407	19.898	ug/l	99
94) Hexachlorobutadiene	15.111	225	14192	19.283	ug/l	98
95) Naphthalene	15.233	128	41307	18.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21444	19.628	ug/l	97

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

