

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080123\
 Data File : VY014924.D
 Acq On : 01 Aug 2023 12:12
 Operator : SY/MD
 Sample : VY0801SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0801SBS01

Quant Time: Aug 02 01:55:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	287403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	489112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	443209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	226147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	182669	55.776	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.560%
35) Dibromofluoromethane	7.716	113	167730	53.871	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.740%
50) Toluene-d8	10.179	98	584136	50.887	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.477	95	218791	49.708	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.420%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	45900	19.603	ug/l	93
3) Chloromethane	2.113	50	61032	23.188	ug/l	100
4) Vinyl Chloride	2.247	62	69170	23.514	ug/l	98
5) Bromomethane	2.625	94	52188	26.846	ug/l	100
6) Chloroethane	2.784	64	47163	25.667	ug/l	99
7) Trichlorofluoromethane	3.119	101	101843	20.614	ug/l	95
8) Diethyl Ether	3.534	74	37508	20.405	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	58257	19.238	ug/l	95
10) Methyl Iodide	4.088	142	60114	20.209	ug/l	98
11) Tert butyl alcohol	4.954	59	88547	120.118	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	53264	18.820	ug/l	92
13) Acrolein	3.723	56	25570	74.699	ug/l	99
14) Allyl chloride	4.473	41	88521	17.616	ug/l	97
15) Acrylonitrile	5.155	53	109077	107.608	ug/l	99
16) Acetone	3.948	43	109194	105.214	ug/l	99
17) Carbon Disulfide	4.192	76	143402	17.698	ug/l	99
18) Methyl Acetate	4.473	43	89014	22.350	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	187944	20.443	ug/l	100
20) Methylene Chloride	4.710	84	86860	23.527	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	61427	19.125	ug/l	99
22) Diisopropyl ether	6.119	45	195084	19.095	ug/l	95
23) Vinyl Acetate	6.058	43	587245	96.051	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	114215	19.538	ug/l	95
25) 2-Butanone	6.984	43	160563	105.749	ug/l	94
26) 2,2-Dichloropropane	6.978	77	103855	18.641	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	75915	20.306	ug/l	94
28) Bromochloromethane	7.332	49	55475	22.034	ug/l	95
29) Tetrahydrofuran	7.344	42	101692	108.771	ug/l	93
30) Chloroform	7.502	83	121970	20.233	ug/l	97
31) Cyclohexane	7.783	56	93464	17.191	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	106628	19.653	ug/l	99
36) 1,1-Dichloropropene	7.917	75	85058	18.267	ug/l	99
37) Ethyl Acetate	7.076	43	64442	20.102	ug/l #	95
38) Carbon Tetrachloride	7.899	117	91898	18.671	ug/l	96
39) Methylcyclohexane	9.179	83	103645	17.086	ug/l	95
40) Benzene	8.155	78	253839	19.168	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	34172m	20.724	ug/l	
42) 1,2-Dichloroethane	8.234	62	86052	20.520	ug/l	95
43) Isopropyl Acetate	8.271	43	117866	19.301	ug/l	97
44) Trichloroethene	8.935	130	71571	19.317	ug/l	100
45) 1,2-Dichloropropane	9.209	63	66143	19.128	ug/l	99
46) Dibromomethane	9.301	93	42804	20.405	ug/l	94
47) Bromodichloromethane	9.496	83	95451	19.306	ug/l	98
48) Methyl methacrylate	9.289	41	51854	18.871	ug/l	93
49) 1,4-Dioxane	9.295	88	14409	421.243	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	332553	103.718	ug/l	95
52) Toluene	10.240	92	162142	19.134	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	99567	18.410	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	108572	18.461	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	60011	20.537	ug/l	95
56) Ethyl methacrylate	10.508	69	85303	19.119	ug/l	90
57) 1,3-Dichloropropane	10.788	76	100268	19.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	214953	103.400	ug/l	94
59) 2-Hexanone	10.831	43	242587	103.748	ug/l	93
60) Dibromochloromethane	10.984	129	71040	19.829	ug/l	100
61) 1,2-Dibromoethane	11.087	107	58815	20.176	ug/l	99
64) Tetrachloroethene	10.715	164	68090	19.102	ug/l	98
65) Chlorobenzene	11.514	112	179145	18.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	67515	18.959	ug/l	97
67) Ethyl Benzene	11.587	91	317411	18.614	ug/l	100
68) m/p-Xylenes	11.697	106	241366	37.080	ug/l	96
69) o-Xylene	12.026	106	117744	18.571	ug/l	99
70) Styrene	12.044	104	202938	18.991	ug/l	98
71) Bromoform	12.203	173	46582	19.298	ug/l #	97
73) Isopropylbenzene	12.325	105	310092	17.512	ug/l	100
74) N-amyl acetate	12.142	43	102542	17.290	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	76094	18.844	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	53358m	18.682	ug/l	
77) Bromobenzene	12.605	156	75322	18.635	ug/l	99
78) n-propylbenzene	12.666	91	375384	17.593	ug/l	100
79) 2-Chlorotoluene	12.752	91	215119	17.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	261882	17.709	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	23577	15.983	ug/l	98
82) 4-Chlorotoluene	12.855	91	222084	17.546	ug/l	99
83) tert-Butylbenzene	13.075	119	229827	17.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	262416	18.082	ug/l	100
85) sec-Butylbenzene	13.251	105	341223	17.732	ug/l	100
86) p-Isopropyltoluene	13.367	119	280772	17.870	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	152496	19.385	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	150630	19.108	ug/l	98
89) n-Butylbenzene	13.690	91	268375	17.557	ug/l	97
90) Hexachloroethane	13.959	117	54550	16.903	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	138568	19.226	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14312	18.533	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	86191	18.838	ug/l	99
94) Hexachlorobutadiene	15.105	225	45670	18.164	ug/l	98
95) Naphthalene	15.233	128	200240	18.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	77225	18.992	ug/l	99

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

