

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080123\
 Data File : VY014923.D
 Acq On : 01 Aug 2023 11:43
 Operator : SY/MD
 Sample : VY0801SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0801SBS01

Quant Time: Aug 02 01:54:44 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	297743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	506605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	457342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	230442	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	191431	56.421	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.840%	
35) Dibromofluoromethane	7.710	113	171413	53.153	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.300%	
50) Toluene-d8	10.179	98	597669	50.268	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.477	95	223299	48.981	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43253	17.831	ug/l	97
3) Chloromethane	2.107	50	62391	22.881	ug/l	99
4) Vinyl Chloride	2.247	62	66924	21.961	ug/l	97
5) Bromomethane	2.631	94	43559	21.629	ug/l	95
6) Chloroethane	2.778	64	43614	22.912	ug/l	96
7) Trichlorofluoromethane	3.113	101	97782	19.105	ug/l	98
8) Diethyl Ether	3.521	74	36298	19.061	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	55704	17.756	ug/l	95
10) Methyl Iodide	4.082	142	54002	17.838	ug/l	98
11) Tert butyl alcohol	4.960	59	92411	121.131	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	51855	17.686	ug/l	87
13) Acrolein	3.723	56	27424	77.333	ug/l	99
14) Allyl chloride	4.472	41	86714	16.657	ug/l	98
15) Acrylonitrile	5.161	53	114114	108.668	ug/l	98
16) Acetone	3.948	43	118816	110.509	ug/l	93
17) Carbon Disulfide	4.186	76	134803	16.059	ug/l	100
18) Methyl Acetate	4.472	43	93449	22.649	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	189558	19.903	ug/l	97
20) Methylene Chloride	4.710	84	90646	23.734	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	59964	18.021	ug/l	93
22) Diisopropyl ether	6.112	45	191973	18.138	ug/l	94
23) Vinyl Acetate	6.058	43	586746	92.636	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	110855	18.305	ug/l #	95
25) 2-Butanone	6.984	43	174078	110.669	ug/l	94
26) 2,2-Dichloropropane	6.972	77	105185	18.224	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	72128	18.623	ug/l	98
28) Bromochloromethane	7.326	49	55756	21.377	ug/l	94
29) Tetrahydrofuran	7.344	42	105501	108.926	ug/l	93
30) Chloroform	7.502	83	118790	19.021	ug/l	98
31) Cyclohexane	7.783	56	90128	16.002	ug/l #	84
32) 1,1,1-Trichloroethane	7.697	97	101944	18.137	ug/l	99
36) 1,1-Dichloropropene	7.911	75	83184	17.248	ug/l	100
37) Ethyl Acetate	7.070	43	69181	20.835	ug/l #	95
38) Carbon Tetrachloride	7.899	117	89326	17.521	ug/l	96
39) Methylcyclohexane	9.179	83	99051	15.765	ug/l	94
40) Benzene	8.155	78	248565	18.122	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	35322m	20.681	ug/l	
42) 1,2-Dichloroethane	8.234	62	85106	19.594	ug/l	94
43) Isopropyl Acetate	8.271	43	120602	19.067	ug/l	97
44) Trichloroethene	8.935	130	69916	18.218	ug/l	100
45) 1,2-Dichloropropane	9.209	63	64246	17.938	ug/l	98
46) Dibromomethane	9.301	93	41651	19.169	ug/l	96
47) Bromodichloromethane	9.496	83	93741	18.305	ug/l	100
48) Methyl methacrylate	9.289	41	54915	19.294	ug/l	93
49) 1,4-Dioxane	9.301	88	14159	399.641	ug/l #	42
51) 4-Methyl-2-Pentanone	10.069	43	347754	104.713	ug/l	94
52) Toluene	10.240	92	157965	17.998	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	98319	17.552	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	108249	17.770	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	59425	19.634	ug/l	92
56) Ethyl methacrylate	10.508	69	86834	18.791	ug/l	91
57) 1,3-Dichloropropane	10.788	76	98169	18.805	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	215490	100.079	ug/l	93
59) 2-Hexanone	10.831	43	259814	107.279	ug/l	93
60) Dibromochloromethane	10.983	129	69974	18.857	ug/l	99
61) 1,2-Dibromoethane	11.087	107	57996	19.208	ug/l	100
64) Tetrachloroethene	10.715	164	68027	18.494	ug/l	96
65) Chlorobenzene	11.514	112	173825	17.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	67269	18.306	ug/l	99
67) Ethyl Benzene	11.593	91	305963	17.388	ug/l	97
68) m/p-Xylenes	11.697	106	229766	34.207	ug/l	98
69) o-Xylene	12.026	106	112679	17.223	ug/l	100
70) Styrene	12.044	104	195771	17.754	ug/l	97
71) Bromoform	12.203	173	46151	18.529	ug/l #	100
73) Isopropylbenzene	12.331	105	299375	16.592	ug/l	100
74) N-amyl acetate	12.142	43	103749	17.168	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	76674	18.634	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	55943m	19.222	ug/l	
77) Bromobenzene	12.605	156	72227	17.536	ug/l	96
78) n-propylbenzene	12.672	91	359209	16.521	ug/l	100
79) 2-Chlorotoluene	12.751	91	206817	16.514	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	250276	16.609	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	24555	16.335	ug/l	99
82) 4-Chlorotoluene	12.855	91	214687	16.645	ug/l	100
83) tert-Butylbenzene	13.075	119	219697	16.435	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	250098	16.912	ug/l	99
85) sec-Butylbenzene	13.251	105	323758	16.511	ug/l	100
86) p-Isopropyltoluene	13.367	119	270376	16.888	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	141706	17.677	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	143708	17.890	ug/l	98
89) n-Butylbenzene	13.696	91	253636	16.283	ug/l	97
90) Hexachloroethane	13.959	117	52375	15.927	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	130861	17.818	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14950	18.998	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	83330	17.874	ug/l	98
94) Hexachlorobutadiene	15.111	225	42465	16.575	ug/l	99
95) Naphthalene	15.233	128	198116	18.240	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	73298	17.690	ug/l	97

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

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