

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014508.D
 Acq On : 29 Jun 2023 19:58
 Operator : KP/MD
 Sample : VSTDC0050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC0050EC

Quant Time: Jun 30 04:13:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	256708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	204088	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	175530	55.072	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.140%	
35) Dibromofluoromethane	7.716	113	114893	52.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.580%	
50) Toluene-d8	10.179	98	447759	51.266	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.477	95	163943	52.578	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.160%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	103746	43.538	ug/l	97
3) Chloromethane	2.107	50	96247	41.274	ug/l	97
4) Vinyl Chloride	2.247	62	123772	48.699	ug/l	97
5) Bromomethane	2.637	94	128634	57.603	ug/l	99
6) Chloroethane	2.784	64	87488	51.968	ug/l	99
7) Trichlorofluoromethane	3.119	101	292283	58.247	ug/l	99
8) Diethyl Ether	3.521	74	69235	45.254	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.893	101	106860	45.059	ug/l	89
10) Methyl Iodide	4.082	142	110569	36.124	ug/l #	84
11) Tert butyl alcohol	4.954	59	108296	268.359	ug/l #	79
12) 1,1-Dichloroethene	3.863	96	106588	45.070	ug/l	96
13) Acrolein	3.722	56	101258	237.901	ug/l	98
14) Allyl chloride	4.472	41	124622	32.995	ug/l #	62
15) Acrylonitrile	5.161	53	168516	196.983	ug/l	97
16) Acetone	3.942	43	177942	177.424	ug/l	98
17) Carbon Disulfide	4.192	76	290826	39.738	ug/l	97
18) Methyl Acetate	4.472	43	125151	36.298	ug/l #	83
19) Methyl tert-butyl Ether	5.216	73	374954	51.547	ug/l #	90
20) Methylene Chloride	4.710	84	121178	40.817	ug/l #	86
21) trans-1,2-Dichloroethene	5.216	96	115660	44.479	ug/l	89
22) Diisopropyl ether	6.118	45	254509	33.908	ug/l #	84
23) Vinyl Acetate	6.057	43	791575m	206.554	ug/l	
24) 1,1-Dichloroethane	6.015	63	183654	41.204	ug/l	97
25) 2-Butanone	6.984	43	218719	175.092	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	215813	45.792	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	134034	45.789	ug/l	92
28) Bromochloromethane	7.332	49	63731	32.786	ug/l #	44
29) Tetrahydrofuran	7.344	42	127714	171.462	ug/l #	66
30) Chloroform	7.502	83	251470	50.015	ug/l	96
31) Cyclohexane	7.783	56	131391	33.375	ug/l #	73
32) 1,1,1-Trichloroethane	7.697	97	267506	55.895	ug/l	97
36) 1,1-Dichloropropene	7.917	75	160407	47.375	ug/l	97
37) Ethyl Acetate	7.069	43	91838	39.358	ug/l #	92
38) Carbon Tetrachloride	7.899	117	264413	62.057	ug/l	98
39) Methylcyclohexane	9.179	83	183016	46.982	ug/l	89
40) Benzene	8.161	78	448797	46.799	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	51241m	44.311	ug/l	
42) 1,2-Dichloroethane	8.234	62	215714	59.330	ug/l	96
43) Isopropyl Acetate	8.270	43	172040	41.755	ug/l #	91
44) Trichloroethene	8.941	130	146076	53.055	ug/l	89
45) 1,2-Dichloropropane	9.215	63	89477	39.572	ug/l	99
46) Dibromomethane	9.307	93	78498	50.802	ug/l	89
47) Bromodichloromethane	9.496	83	197715	54.898	ug/l #	97
48) Methyl methacrylate	9.295	41	88984	46.500	ug/l #	85
49) 1,4-Dioxane	9.301	88	28238	1168.767	ug/l #	66
51) 4-Methyl-2-Pentanone	10.069	43	479510	206.202	ug/l	95
52) Toluene	10.240	92	313558	50.818	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	202558	51.876	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	188928	46.910	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	104055	50.290	ug/l	93
56) Ethyl methacrylate	10.508	69	147231	49.825	ug/l	88
57) 1,3-Dichloropropane	10.788	76	167154	48.030	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	305172	220.473	ug/l #	77
59) 2-Hexanone	10.831	43	364026	207.743	ug/l	97
60) Dibromochloromethane	10.983	129	158836	57.869	ug/l	100
61) 1,2-Dibromoethane	11.087	107	104708	50.826	ug/l	99
64) Tetrachloroethene	10.721	164	169029	57.665	ug/l	93
65) Chlorobenzene	11.514	112	365125	51.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	161285	56.579	ug/l	94
67) Ethyl Benzene	11.593	91	639117	50.718	ug/l	96
68) m/p-Xylenes	11.703	106	518144	105.274	ug/l	99
69) o-Xylene	12.026	106	251282	53.655	ug/l	99
70) Styrene	12.044	104	434457	54.125	ug/l	99
71) Bromoform	12.209	173	121821	57.823	ug/l #	98
73) Isopropylbenzene	12.331	105	667035	48.539	ug/l	99
74) N-amyl acetate	12.142	43	152977	35.150	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	115982	39.491	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	100929m	39.424	ug/l	
77) Bromobenzene	12.605	156	185049	51.789	ug/l	81
78) n-propylbenzene	12.672	91	757517	45.690	ug/l	94
79) 2-Chlorotoluene	12.757	91	433887	45.824	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	602017	50.641	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	45134	40.137	ug/l #	79
82) 4-Chlorotoluene	12.855	91	464941	46.094	ug/l	94
83) tert-Butylbenzene	13.074	119	520053	51.029	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	593910	50.418	ug/l	98
85) sec-Butylbenzene	13.251	105	705476	47.868	ug/l	94
86) p-Isopropyltoluene	13.367	119	659377	51.674	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	351414	50.989	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	348807	50.343	ug/l	99
89) n-Butylbenzene	13.696	91	540166	46.331	ug/l	96
90) Hexachloroethane	13.958	117	113336	46.688	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	322713	51.292	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34643	53.371	ug/l	99
93) 1,2,4-Trichlorobenzene	15.001	180	228560	55.915	ug/l	99
94) Hexachlorobutadiene	15.111	225	135465	55.170	ug/l	97
95) Naphthalene	15.233	128	489822	55.735	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	205828	55.300	ug/l	99

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

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