

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013722.D
 Acq On : 11 May 2023 17:45
 Operator : KP/MD
 Sample : 02745-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-051023

Quant Time: May 12 04:46:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	166243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	253668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	100986	55.414	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.820%			
35) Dibromofluoromethane	7.716	113	86445	54.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.360%			
50) Toluene-d8	10.179	98	307652	54.205	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.420%			
62) 4-Bromofluorobenzene	12.477	95	108458	56.683	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38467	24.339	ug/l	96
3) Chloromethane	2.107	50	48552	22.918	ug/l	99
4) Vinyl Chloride	2.247	62	48174	22.838	ug/l	99
5) Bromomethane	2.650	94	33504	19.932	ug/l	98
6) Chloroethane	2.790	64	30774	21.118	ug/l	99
7) Trichlorofluoromethane	3.119	101	78147	24.456	ug/l	97
8) Diethyl Ether	3.522	74	25571	23.499	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	44434	24.790	ug/l	98
10) Methyl Iodide	4.082	142	40996	18.211	ug/l	98
11) Tert butyl alcohol	4.936	59	35113	171.269	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	41034	23.750	ug/l	92
13) Acrolein	3.729	56	16172	96.113	ug/l	94
14) Allyl chloride	4.473	41	74551	23.255	ug/l	96
15) Acrylonitrile	5.149	53	85469	140.249	ug/l	99
16) Acetone	3.936	43	98968	137.901	ug/l	96
17) Carbon Disulfide	4.186	76	115381	20.559	ug/l	97
18) Methyl Acetate	4.473	43	66203	27.930	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	121250	24.309	ug/l	96
20) Methylene Chloride	4.704	84	58322	21.297	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	46421	24.574	ug/l	96
22) Diisopropyl ether	6.106	45	165249	26.372	ug/l	93
23) Vinyl Acetate	6.052	43	498450	140.496	ug/l	96
24) 1,1-Dichloroethane	6.015	63	90999	26.057	ug/l	99
25) 2-Butanone	6.972	43	124528	136.818	ug/l	93
26) 2,2-Dichloropropane	6.978	77	78422	26.060	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	51422	24.637	ug/l	93
28) Bromochloromethane	7.326	49	33769	27.249	ug/l #	78
29) Tetrahydrofuran	7.344	42	74619	131.705	ug/l	91
30) Chloroform	7.496	83	91077	26.230	ug/l	97
31) Cyclohexane	7.783	56	72113	22.101	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	80373	25.940	ug/l	98
36) 1,1-Dichloropropene	7.911	75	65174	24.614	ug/l	98
37) Ethyl Acetate	7.070	43	50623	25.405	ug/l	95
38) Carbon Tetrachloride	7.893	117	74083	26.694	ug/l	97
39) Methylcyclohexane	9.179	83	72834	23.332	ug/l	94
40) Benzene	8.155	78	190670	25.563	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	20844m	22.448	ug/l	
42) 1,2-Dichloroethane	8.228	62	65139	26.713	ug/l	99
43) Isopropyl Acetate	8.271	43	86245	25.643	ug/l	95
44) Trichloroethene	8.935	130	50058	25.230	ug/l	99
45) 1,2-Dichloropropane	9.210	63	51711	26.516	ug/l	99
46) Dibromomethane	9.301	93	29921	25.642	ug/l	96
47) Bromodichloromethane	9.490	83	72006	27.578	ug/l	92
48) Methyl methacrylate	9.289	41	40013	25.904	ug/l	91
49) 1,4-Dioxane	9.295	88	9430	565.840	ug/l #	89
51) 4-Methyl-2-Pentanone	10.063	43	251338	134.104	ug/l	95
52) Toluene	10.240	92	116986	26.064	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	71509	25.877	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	78762	25.330	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	41114	26.606	ug/l	99
56) Ethyl methacrylate	10.508	69	56000	26.121	ug/l	88
57) 1,3-Dichloropropane	10.788	76	70833	27.065	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	107450	133.659	ug/l	93
59) 2-Hexanone	10.831	43	179555	131.794	ug/l	95
60) Dibromochloromethane	10.977	129	50441	26.883	ug/l	98
61) 1,2-Dibromoethane	11.087	107	39495	25.996	ug/l	97
64) Tetrachloroethene	10.715	164	42822	23.876	ug/l	98
65) Chlorobenzene	11.514	112	125295	24.386	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	50074	26.059	ug/l	98
67) Ethyl Benzene	11.587	91	221141	24.511	ug/l	98
68) m/p-Xylenes	11.697	106	165921	48.375	ug/l	95
69) o-Xylene	12.026	106	79849	24.616	ug/l	96
70) Styrene	12.038	104	136205	25.113	ug/l	100
71) Bromoform	12.203	173	34168	25.385	ug/l #	99
73) Isopropylbenzene	12.325	105	211924	25.016	ug/l	99
74) N-amyl acetate	12.142	43	73479	24.373	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	53059	25.624	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	43413m	28.740	ug/l	
77) Bromobenzene	12.605	156	51770	25.220	ug/l	92
78) n-propylbenzene	12.666	91	262444	25.151	ug/l	96
79) 2-Chlorotoluene	12.752	91	146777	25.189	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	177353	25.649	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	17981	24.350	ug/l	94
82) 4-Chlorotoluene	12.849	91	151003	24.863	ug/l	98
83) tert-Butylbenzene	13.069	119	151988	25.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	172307	25.631	ug/l	100
85) sec-Butylbenzene	13.251	105	228945	25.465	ug/l	100
86) p-Isopropyltoluene	13.367	119	184502	25.519	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	97861	25.023	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	95051	24.061	ug/l	98
89) n-Butylbenzene	13.690	91	177070	25.093	ug/l	99
90) Hexachloroethane	13.959	117	37238	24.472	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	87351	24.735	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8134	22.242	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	45879	21.790	ug/l	99
94) Hexachlorobutadiene	15.111	225	30500	24.890	ug/l	98
95) Naphthalene	15.233	128	93144	20.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38703	20.624	ug/l	98

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

