

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014641.D
 Acq On : 14 Jul 2023 12:41
 Operator : SY/MD
 Sample : VY0714SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0714SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 14 23:06:07 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	7.783	168	300941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	502206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	450778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	224407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	173006	50.449	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.900%			
35) Dibromofluoromethane	7.710	113	160801	50.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.173	98	580377	49.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.480%			
62) 4-Bromofluorobenzene	12.477	95	222377	49.206	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	53626	21.872	ug/l	96
3) Chloromethane	2.107	50	63120	22.902	ug/l	97
4) Vinyl Chloride	2.241	62	68194	22.140	ug/l	97
5) Bromomethane	2.625	94	47123	23.150	ug/l	96
6) Chloroethane	2.778	64	43436	22.576	ug/l	96
7) Trichlorofluoromethane	3.113	101	104695	20.238	ug/l	97
8) Diethyl Ether	3.521	74	40042	20.803	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	61245	19.315	ug/l	97
10) Methyl Iodide	4.082	142	61837	19.894	ug/l	96
11) Tert butyl alcohol	4.948	59	97977	127.906	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	59931	20.223	ug/l	90
13) Acrolein	3.723	56	35425	98.833	ug/l	96
14) Allyl chloride	4.466	41	101712	19.330	ug/l	95
15) Acrylonitrile	5.155	53	112280	105.785	ug/l	98
16) Acetone	3.942	43	107283	98.722	ug/l	93
17) Carbon Disulfide	4.186	76	173467	20.445	ug/l	98
18) Methyl Acetate	4.466	43	88994	21.340	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	199027	20.675	ug/l	99
20) Methylene Chloride	4.704	84	78038	19.532	ug/l	92
21) trans-1,2-Dichloroethene	5.204	96	67490	20.068	ug/l	95
22) Diisopropyl ether	6.112	45	212606	19.874	ug/l	92
23) Vinyl Acetate	6.052	43	639817	99.942	ug/l	96
24) 1,1-Dichloroethane	6.009	63	122539	20.019	ug/l	96
25) 2-Butanone	6.978	43	165915	104.358	ug/l	96
26) 2,2-Dichloropropane	6.972	77	115140	19.737	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	80896	20.665	ug/l	95
28) Bromochloromethane	7.332	49	56568	21.458	ug/l	94
29) Tetrahydrofuran	7.344	42	105182	107.442	ug/l	93
30) Chloroform	7.502	83	126719	20.075	ug/l	95
31) Cyclohexane	7.777	56	107364	18.860	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	112031	19.720	ug/l	98
36) 1,1-Dichloropropene	7.911	75	94525	19.771	ug/l	100
37) Ethyl Acetate	7.070	43	68469	20.801	ug/l #	95
38) Carbon Tetrachloride	7.893	117	100310	19.848	ug/l	96
39) Methylcyclohexane	9.179	83	119687	19.216	ug/l	96
40) Benzene	8.155	78	273184	20.091	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	33161m	19.586	ug/l	
42) 1,2-Dichloroethane	8.234	62	86827	20.165	ug/l	95
43) Isopropyl Acetate	8.271	43	127198	20.286	ug/l	96
44) Trichloroethene	8.935	130	75773	19.917	ug/l	99
45) 1,2-Dichloropropane	9.209	63	69740	19.642	ug/l	98
46) Dibromomethane	9.301	93	43565	20.226	ug/l	96
47) Bromodichloromethane	9.490	83	100199	19.738	ug/l	97
48) Methyl methacrylate	9.289	41	56477	20.017	ug/l	92
49) 1,4-Dioxane	9.295	88	14909	424.496	ug/l #	53
51) 4-Methyl-2-Pentanone	10.063	43	345940	105.080	ug/l	93
52) Toluene	10.240	92	174855	20.096	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	109318	19.686	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	120779	20.001	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	61985	20.659	ug/l	97
56) Ethyl methacrylate	10.508	69	93056	20.313	ug/l	91
57) 1,3-Dichloropropane	10.782	76	104257	20.146	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	231836	108.614	ug/l	95
59) 2-Hexanone	10.825	43	254697	106.087	ug/l	92
60) Dibromochloromethane	10.977	129	73422	19.959	ug/l	100
61) 1,2-Dibromoethane	11.087	107	61483	20.541	ug/l	99
64) Tetrachloroethene	10.715	164	74963	20.677	ug/l	98
65) Chlorobenzene	11.514	112	187861	19.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	71008	19.605	ug/l	98
67) Ethyl Benzene	11.587	91	341813	19.708	ug/l	100
68) m/p-Xylenes	11.697	106	262984	39.723	ug/l	96
69) o-Xylene	12.026	106	127531	19.777	ug/l	97
70) Styrene	12.038	104	215972	19.872	ug/l	98
71) Bromoform	12.203	173	49896	20.324	ug/l #	98
73) Isopropylbenzene	12.325	105	333139	18.959	ug/l	100
74) N-amyl acetate	12.142	43	114498	19.456	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	78238	19.525	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	53869m	19.007	ug/l	
77) Bromobenzene	12.605	156	78802	19.647	ug/l	95
78) n-propylbenzene	12.666	91	401489	18.962	ug/l	99
79) 2-Chlorotoluene	12.752	91	231375	18.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	281079	19.154	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	29280	20.003	ug/l	91
82) 4-Chlorotoluene	12.849	91	237149	18.881	ug/l	100
83) tert-Butylbenzene	13.069	119	250797	19.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	278699	19.352	ug/l	99
85) sec-Butylbenzene	13.251	105	362340	18.975	ug/l	100
86) p-Isopropyltoluene	13.367	119	302278	19.388	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	152453	19.530	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	154830	19.793	ug/l	98
89) n-Butylbenzene	13.690	91	291143	19.194	ug/l	97
90) Hexachloroethane	13.959	117	60337	18.841	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	141509	19.786	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14998	19.572	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	89382	19.687	ug/l	98
94) Hexachlorobutadiene	15.111	225	49220	19.728	ug/l	97
95) Naphthalene	15.233	128	214381	20.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	81033	20.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

