

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014610.D
 Acq On : 10 Jul 2023 12:09
 Operator : SY/MD
 Sample : VY0710SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Quant Time: Jul 11 03:14:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	332347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	482838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	444536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	243369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	164235	49.676	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.360%		
35) Dibromofluoromethane	7.716	113	156971	52.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.580%		
50) Toluene-d8	10.179	98	610345	51.927	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.860%		
62) 4-Bromofluorobenzene	12.477	95	209629	51.361	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	63314	24.207	ug/l	93
3) Chloromethane	2.113	50	87034	22.612	ug/l	96
4) Vinyl Chloride	2.247	62	101200	22.810	ug/l	96
5) Bromomethane	2.631	94	75615	21.980	ug/l	95
6) Chloroethane	2.784	64	62671	21.938	ug/l	95
7) Trichlorofluoromethane	3.119	101	118058	21.910	ug/l	99
8) Diethyl Ether	3.528	74	41274	20.230	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	69892	21.721	ug/l	98
10) Methyl Iodide	4.089	142	74486	20.285	ug/l	93
11) Tert butyl alcohol	4.954	59	43980	62.278	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	64362	20.647	ug/l	90
13) Acrolein	3.735	56	39679	90.171	ug/l	100
14) Allyl chloride	4.479	41	90113	19.179	ug/l #	88
15) Acrylonitrile	5.168	53	102947	87.896	ug/l	98
16) Acetone	3.948	43	95653	92.644	ug/l #	85
17) Carbon Disulfide	4.192	76	198449	20.890	ug/l	99
18) Methyl Acetate	4.479	43	85833	18.262	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	162514	18.140	ug/l	99
20) Methylene Chloride	4.716	84	98710	23.762	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	66675	18.896	ug/l	94
22) Diisopropyl ether	6.119	45	180513	18.645	ug/l	92
23) Vinyl Acetate	6.058	43	511750	91.363	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	116051	19.094	ug/l	99
25) 2-Butanone	6.984	43	132405	86.609	ug/l	91
26) 2,2-Dichloropropane	6.984	77	99160	19.141	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	75245	18.799	ug/l	89
28) Bromochloromethane	7.332	49	50292	19.706	ug/l #	81
29) Tetrahydrofuran	7.350	42	86819	88.044	ug/l #	86
30) Chloroform	7.509	83	121739	19.202	ug/l	93
31) Cyclohexane	7.789	56	99814	19.243	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	106221	19.601	ug/l	98
36) 1,1-Dichloropropene	7.917	75	92645	20.346	ug/l	98
37) Ethyl Acetate	7.076	43	56974	18.245	ug/l #	93
38) Carbon Tetrachloride	7.905	117	98965	20.820	ug/l	99
39) Methylcyclohexane	9.185	83	108607	19.955	ug/l	94
40) Benzene	8.161	78	264383	19.181	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	31225m	20.468	ug/l	
42) 1,2-Dichloroethane	8.234	62	79623	19.654	ug/l	93
43) Isopropyl Acetate	8.277	43	98306	18.577	ug/l #	91
44) Trichloroethene	8.941	130	78228	20.358	ug/l	95
45) 1,2-Dichloropropane	9.216	63	68706	19.431	ug/l	98
46) Dibromomethane	9.307	93	42387	19.691	ug/l	93
47) Bromodichloromethane	9.496	83	93379	19.688	ug/l	98
48) Methyl methacrylate	9.295	41	46262	19.224	ug/l #	82
49) 1,4-Dioxane	9.301	88	13248	344.652	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	292140	93.247	ug/l	90
52) Toluene	10.246	92	169924	19.591	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	103278	20.363	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	109681	19.382	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	63470	20.263	ug/l	96
56) Ethyl methacrylate	10.508	69	82678	19.404	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	101537	19.895	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	202866	98.281	ug/l	96
59) 2-Hexanone	10.831	43	226287	99.988	ug/l	89
60) Dibromochloromethane	10.984	129	73019	19.895	ug/l	99
61) 1,2-Dibromoethane	11.087	107	60707	19.852	ug/l	100
64) Tetrachloroethene	10.721	164	79489	20.003	ug/l	96
65) Chlorobenzene	11.514	112	186109	19.645	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	72247	20.065	ug/l	97
67) Ethyl Benzene	11.593	91	311345	19.272	ug/l	98
68) m/p-Xylenes	11.703	106	250981	39.166	ug/l	95
69) o-Xylene	12.026	106	117373	19.311	ug/l	94
70) Styrene	12.044	104	202805	19.394	ug/l	97
71) Bromoform	12.209	173	56336	20.595	ug/l #	98
73) Isopropylbenzene	12.331	105	306978	19.260	ug/l	99
74) N-amyl acetate	12.142	43	89685	18.644	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	80245	19.619	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	57698m	20.203	ug/l	
77) Bromobenzene	12.605	156	84542	19.420	ug/l	95
78) n-propylbenzene	12.672	91	386307	19.869	ug/l	99
79) 2-Chlorotoluene	12.758	91	217566	19.444	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	263047	19.495	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	26825	18.283	ug/l	89
82) 4-Chlorotoluene	12.855	91	228456	19.489	ug/l	96
83) tert-Butylbenzene	13.075	119	228710	19.286	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	262327	19.483	ug/l	97
85) sec-Butylbenzene	13.252	105	349454	19.970	ug/l	100
86) p-Isopropyltoluene	13.367	119	292286	19.848	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	165662	19.463	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	166536	19.523	ug/l	99
89) n-Butylbenzene	13.697	91	274458	20.167	ug/l	98
90) Hexachloroethane	13.959	117	58812	20.161	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	151656	19.670	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14511	19.378	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	99568	19.994	ug/l	99
94) Hexachlorobutadiene	15.111	225	65683	21.460	ug/l	99
95) Naphthalene	15.239	128	193853	18.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	89827	19.797	ug/l	97

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

