

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016834.D
 Acq On : 23 Dec 2023 02:48
 Operator : SY/MD
 Sample : VY1222SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1222SBS03

Quant Time: Dec 23 03:55:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
 Supervised By :Semsettin Yesilyurt 12/26/2023

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

Internal Standards						
1) Pentafluorobenzene	7.826	168	132525	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	239027	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	205687	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	86809	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	74015	61.179	ug/l	0.02
Spiked Amount 50.000	Range 50	- 163	Recovery	=	122.360%	
35) Dibromofluoromethane	7.753	113	78068	57.017	ug/l	0.02
Spiked Amount 50.000	Range 54	- 147	Recovery	=	114.040%	
50) Toluene-d8	10.203	98	282368	57.208	ug/l	0.01
Spiked Amount 50.000	Range 58	- 134	Recovery	=	114.420%	
62) 4-Bromofluorobenzene	12.502	95	89269	55.747	ug/l	0.01
Spiked Amount 50.000	Range 30	- 143	Recovery	=	111.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	22320	19.708	ug/l	96
3) Chloromethane	2.132	50	35191	20.215	ug/l	97
4) Vinyl Chloride	2.272	62	38686	19.674	ug/l	98
5) Bromomethane	2.674	94	29084	20.767	ug/l	98
6) Chloroethane	2.820	64	27703	20.792	ug/l	98
7) Trichlorofluoromethane	3.156	101	44794	19.555	ug/l	97
8) Diethyl Ether	3.558	74	15564	21.240	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.936	101	28235	20.094	ug/l	98
10) Methyl Iodide	4.125	142	28502	19.465	ug/l	97
11) Tert butyl alcohol	4.997	59	13008	131.137	ug/l #	87
12) 1,1-Dichloroethene	3.906	96	25431	20.327	ug/l	95
13) Acrolein	3.759	56	10088	131.810	ug/l	98
14) Allyl chloride	4.521	41	41822	21.825	ug/l	98
15) Acrylonitrile	5.204	53	35589	114.686	ug/l	97
16) Acetone	3.979	43	34947	106.823	ug/l	100
17) Carbon Disulfide	4.235	76	62576	18.382	ug/l	100
18) Methyl Acetate	4.509	43	26595	20.802	ug/l	100
19) Methyl tert-butyl Ether	5.259	73	70384	21.864	ug/l	99
20) Methylene Chloride	4.759	84	39711	21.706	ug/l	97
21) trans-1,2-Dichloroethene	5.265	96	30272	21.215	ug/l	94
22) Diisopropyl ether	6.161	45	100932	23.281	ug/l	98
23) Vinyl Acetate	6.100	43	229649	112.000	ug/l	98
24) 1,1-Dichloroethane	6.058	63	59797	22.961	ug/l	99
25) 2-Butanone	7.021	43	47988	106.540	ug/l	99
26) 2,2-Dichloropropane	7.021	77	46719	20.557	ug/l	100
27) cis-1,2-Dichloroethene	7.021	96	36703	22.350	ug/l	98
28) Bromochloromethane	7.368	49	24309	23.583	ug/l	98
29) Tetrahydrofuran	7.381	42	27072	109.919	ug/l	97
30) Chloroform	7.539	83	61147	22.936	ug/l	99
31) Cyclohexane	7.820	56	42900	18.508	ug/l	97
32) 1,1,1-Trichloroethane	7.734	97	50230	21.464	ug/l	99
36) 1,1-Dichloropropene	7.954	75	41377	18.850	ug/l	99
37) Ethyl Acetate	7.112	43	20430	21.714	ug/l	97
38) Carbon Tetrachloride	7.929	117	41695	19.196	ug/l	94
39) Methylcyclohexane	9.210	83	42890	16.924	ug/l	99
40) Benzene	8.191	78	133285	20.866	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	8639m	17.294	ug/l	
42) 1,2-Dichloroethane	8.265	62	35630	21.380	ug/l	99
43) Isopropyl Acetate	8.301	43	37656	20.607	ug/l	99
44) Trichloroethene	8.972	130	32636	20.018	ug/l	97
45) 1,2-Dichloropropane	9.240	63	34437	21.492	ug/l	97
46) Dibromomethane	9.331	93	16950	20.477	ug/l	100
47) Bromodichloromethane	9.520	83	46370	21.254	ug/l	96
48) Methyl methacrylate	9.319	41	19796	19.492	ug/l	96
49) 1,4-Dioxane	9.325	88	3138	390.579	ug/l	98
51) 4-Methyl-2-Pentanone	10.094	43	96927	99.553	ug/l	100
52) Toluene	10.270	92	81041	21.171	ug/l	100
53) t-1,3-Dichloropropene	10.490	75	40683	20.450	ug/l	96
54) cis-1,3-Dichloropropene	9.953	75	49198	20.502	ug/l	94
55) 1,1,2-Trichloroethane	10.667	97	25125	21.274	ug/l	95
56) Ethyl methacrylate	10.532	69	20399	19.642	ug/l	99
57) 1,3-Dichloropropane	10.813	76	43040	21.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	61011	109.207	ug/l	99
59) 2-Hexanone	10.856	43	66835	92.060	ug/l	99
60) Dibromochloromethane	11.008	129	28910	21.161	ug/l	98
61) 1,2-Dibromoethane	11.112	107	21289	20.100	ug/l	100
64) Tetrachloroethene	10.746	164	25839	20.223	ug/l	95
65) Chlorobenzene	11.538	112	84299	20.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.612	131	31488	20.709	ug/l	99
67) Ethyl Benzene	11.618	91	150839	20.279	ug/l	98
68) m/p-Xylenes	11.721	106	112030	40.787	ug/l	100
69) o-Xylene	12.051	106	51234	20.332	ug/l	97
70) Styrene	12.069	104	76199	20.436	ug/l	99
71) Bromoform	12.233	173	14687	19.375	ug/l #	96
73) Isopropylbenzene	12.349	105	138401	20.471	ug/l	100
74) N-amyl acetate	12.166	43	27836	19.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	28245	20.906	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	20741m	21.614	ug/l	
77) Bromobenzene	12.630	156	31548	21.390	ug/l	96
78) n-propylbenzene	12.691	91	169607	20.706	ug/l	99
79) 2-Chlorotoluene	12.776	91	96398	21.268	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	113816	21.267	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.398	75	7280	17.816	ug/l	97
82) 4-Chlorotoluene	12.874	91	98876	21.264	ug/l	100
83) tert-Butylbenzene	13.093	119	95880	20.597	ug/l	97
84) 1,2,4-Trimethylbenzene	13.142	105	111672	21.161	ug/l	99
85) sec-Butylbenzene	13.276	105	140502	20.377	ug/l	99
86) p-Isopropyltoluene	13.392	119	117550	20.471	ug/l	100
87) 1,3-Dichlorobenzene	13.386	146	59483	20.637	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	58932	20.938	ug/l	98
89) n-Butylbenzene	13.715	91	109970	20.034	ug/l	99
90) Hexachloroethane	13.983	117	24884	20.812	ug/l	100
91) 1,2-Dichlorobenzene	13.758	146	52207	21.261	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3245	18.529	ug/l	96
93) 1,2,4-Trichlorobenzene	15.026	180	24888	19.101	ug/l	99
94) Hexachlorobutadiene	15.129	225	14668	19.820	ug/l	98
95) Naphthalene	15.257	128	44827	18.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	21177	19.084	ug/l	96

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

