

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016778.D
 Acq On : 22 Dec 2023 00:42
 Operator : SY/MD
 Sample : VY1221SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1221SBS02

Quant Time: Dec 22 00:48:43 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 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	138527	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	246342	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	212292	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	89533	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	67851	53.654	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.300%			
35) Dibromofluoromethane	7.746	113	69605	49.326	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.660%			
50) Toluene-d8	10.203	98	248509	48.853	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.700%			
62) 4-Bromofluorobenzene	12.501	95	81125	49.157	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	23249	19.639	ug/l	97
3) Chloromethane	2.125	50	38469	21.140	ug/l	96
4) Vinyl Chloride	2.265	62	41488	20.185	ug/l	99
5) Bromomethane	2.668	94	31637	21.611	ug/l	98
6) Chloroethane	2.814	64	28431	20.413	ug/l	97
7) Trichlorofluoromethane	3.149	101	47966	20.033	ug/l	97
8) Diethyl Ether	3.552	74	17033	22.237	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.924	101	29352	19.984	ug/l	99
10) Methyl Iodide	4.119	142	28337	18.514	ug/l	99
11) Tert butyl alcohol	4.984	59	13832	133.402	ug/l	96
12) 1,1-Dichloroethene	3.899	96	26301	20.111	ug/l	92
13) Acrolein	3.753	56	11052	138.149	ug/l	99
14) Allyl chloride	4.509	41	44144	22.038	ug/l	100
15) Acrylonitrile	5.198	53	39897	122.998	ug/l	98
16) Acetone	3.979	43	40134	117.363	ug/l	100
17) Carbon Disulfide	4.228	76	69462	19.521	ug/l	98
18) Methyl Acetate	4.509	43	31680	23.706	ug/l	99
19) Methyl tert-butyl Ether	5.259	73	77315	22.977	ug/l	97
20) Methylene Chloride	4.747	84	43495	22.923	ug/l	96
21) trans-1,2-Dichloroethene	5.253	96	32215	21.599	ug/l	95
22) Diisopropyl ether	6.155	45	106270	23.450	ug/l	96
23) Vinyl Acetate	6.094	43	230357	107.478	ug/l	100
24) 1,1-Dichloroethane	6.051	63	61998	22.775	ug/l	97
25) 2-Butanone	7.021	43	56727	120.485	ug/l	96
26) 2,2-Dichloropropane	7.021	77	47878	20.154	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	37888	22.072	ug/l	98
28) Bromochloromethane	7.368	49	24212	22.472	ug/l	96
29) Tetrahydrofuran	7.380	42	31830	123.639	ug/l	99
30) Chloroform	7.539	83	63267	22.703	ug/l	95
31) Cyclohexane	7.813	56	46637	19.248	ug/l	98
32) 1,1,1-Trichloroethane	7.734	97	50869	20.795	ug/l	98
36) 1,1-Dichloropropene	7.947	75	43869	19.392	ug/l	99
37) Ethyl Acetate	7.100	43	23703	24.445	ug/l	99
38) Carbon Tetrachloride	7.929	117	43785	19.559	ug/l	97
39) Methylcyclohexane	9.209	83	46841	17.934	ug/l	99
40) Benzene	8.191	78	138310	21.010	ug/l	97

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41) Methacrylonitrile	7.338	41	11459	22.258	ug/l	90
42) 1,2-Dichloroethane	8.264	62	37940	22.090	ug/l	99
43) Isopropyl Acetate	8.295	43	43529	23.114	ug/l	98
44) Trichloroethene	8.965	130	33834	20.136	ug/l	92
45) 1,2-Dichloropropane	9.240	63	35168	21.296	ug/l	97
46) Dibromomethane	9.331	93	18699	21.919	ug/l	99
47) Bromodichloromethane	9.520	83	48223	21.447	ug/l	94
48) Methyl methacrylate	9.313	41	22623	21.614	ug/l	96
49) 1,4-Dioxane	9.331	88	3843	464.125	ug/l	94
51) 4-Methyl-2-Pentanone	10.093	43	114089	113.700	ug/l	99
52) Toluene	10.270	92	82524	20.918	ug/l	100
53) t-1,3-Dichloropropene	10.490	75	43059	21.002	ug/l	96
54) cis-1,3-Dichloropropene	9.953	75	52403	21.190	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	27492	22.587	ug/l	95
56) Ethyl methacrylate	10.532	69	23429	21.890	ug/l	96
57) 1,3-Dichloropropane	10.813	76	46123	22.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	58949	102.383	ug/l	100
59) 2-Hexanone	10.855	43	81778	109.298	ug/l	99
60) Dibromochloromethane	11.008	129	31050	22.052	ug/l	97
61) 1,2-Dibromoethane	11.111	107	24569	22.508	ug/l	98
64) Tetrachloroethene	10.739	164	26613	20.181	ug/l	97
65) Chlorobenzene	11.538	112	86589	20.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	32185	20.509	ug/l	99
67) Ethyl Benzene	11.611	91	153408	19.983	ug/l	98
68) m/p-Xylenes	11.721	106	114053	40.232	ug/l	99
69) o-Xylene	12.050	106	53425	20.542	ug/l	99
70) Styrene	12.062	104	78513	20.401	ug/l	99
71) Bromoform	12.227	173	16387	20.945	ug/l #	97
73) Isopropylbenzene	12.349	105	143519	20.582	ug/l	99
74) N-amyl acetate	12.166	43	32449	22.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	31879	22.878	ug/l	98
76) 1,2,3-Trichloropropane	12.654	75	23378m	23.620	ug/l	
77) Bromobenzene	12.629	156	31740	20.865	ug/l	96
78) n-propylbenzene	12.690	91	172335	20.399	ug/l	99
79) 2-Chlorotoluene	12.776	91	98661	21.105	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	114750	20.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.398	75	8807	20.897	ug/l	99
82) 4-Chlorotoluene	12.873	91	99093	20.662	ug/l	100
83) tert-Butylbenzene	13.093	119	97459	20.299	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	112145	20.604	ug/l	98
85) sec-Butylbenzene	13.276	105	144049	20.256	ug/l	100
86) p-Isopropyltoluene	13.391	119	119346	20.152	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	62422	20.997	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	60059	20.690	ug/l	98
89) n-Butylbenzene	13.715	91	112689	19.905	ug/l	99
90) Hexachloroethane	13.983	117	25599	20.758	ug/l	95
91) 1,2-Dichlorobenzene	13.757	146	53429	21.096	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	3948	21.857	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	26813	19.953	ug/l	99
94) Hexachlorobutadiene	15.129	225	15542	20.362	ug/l	99
95) Naphthalene	15.257	128	52097	20.308	ug/l	98
96) 1,2,3-Trichlorobenzene	15.446	180	23254	20.318	ug/l	98

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

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