

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016738.D
 Acq On : 21 Dec 2023 04:09
 Operator : SY/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Quant Time: Dec 21 04:19:39 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 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	147155	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	267292	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	230187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	77065	57.367	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.740%			
35) Dibromofluoromethane	7.746	113	79023	51.611	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.220%			
50) Toluene-d8	10.203	98	284970	51.630	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.501	95	91162	50.909	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	25515	20.289	ug/l	99
3) Chloromethane	2.131	50	40517	20.960	ug/l	99
4) Vinyl Chloride	2.272	62	44487	20.375	ug/l	99
5) Bromomethane	2.674	94	33951	21.832	ug/l	100
6) Chloroethane	2.814	64	31559	21.331	ug/l	98
7) Trichlorofluoromethane	3.149	101	49945	19.636	ug/l	95
8) Diethyl Ether	3.558	74	18919	23.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.930	101	30528	19.566	ug/l	98
10) Methyl Iodide	4.125	142	34660	21.318	ug/l	99
11) Tert butyl alcohol	4.997	59	13855	125.790	ug/l	97
12) 1,1-Dichloroethene	3.905	96	29254	21.058	ug/l	97
13) Acrolein	3.759	56	12285	144.558	ug/l	96
14) Allyl chloride	4.521	41	47087	22.129	ug/l	98
15) Acrylonitrile	5.198	53	41568	120.635	ug/l	99
16) Acetone	3.979	43	42613	117.306	ug/l	97
17) Carbon Disulfide	4.229	76	76934	20.353	ug/l	99
18) Methyl Acetate	4.509	43	33322	23.472	ug/l	99
19) Methyl tert-butyl Ether	5.259	73	82168	22.987	ug/l	100
20) Methylene Chloride	4.753	84	49104	24.604	ug/l	100
21) trans-1,2-Dichloroethene	5.259	96	35047	22.120	ug/l	94
22) Diisopropyl ether	6.155	45	110970	23.052	ug/l	97
23) Vinyl Acetate	6.100	43	262062	115.102	ug/l	100
24) 1,1-Dichloroethane	6.057	63	64620	22.346	ug/l	99
25) 2-Butanone	7.021	43	59231	118.428	ug/l	97
26) 2,2-Dichloropropane	7.015	77	50447	19.991	ug/l	98
27) cis-1,2-Dichloroethene	7.021	96	40026	21.950	ug/l	98
28) Bromochloromethane	7.368	49	24175	21.122	ug/l	99
29) Tetrahydrofuran	7.380	42	33501	122.500	ug/l	99
30) Chloroform	7.539	83	66930	22.609	ug/l	100
31) Cyclohexane	7.813	56	50057	19.448	ug/l	97
32) 1,1,1-Trichloroethane	7.734	97	53929	20.753	ug/l	98
36) 1,1-Dichloropropene	7.947	75	47224	19.239	ug/l	99
37) Ethyl Acetate	7.106	43	25259	24.008	ug/l	99
38) Carbon Tetrachloride	7.929	117	46574	19.175	ug/l	97
39) Methylcyclohexane	9.203	83	50060	17.664	ug/l	99
40) Benzene	8.191	78	147485	20.647	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	12141m	21.735	ug/l	
42) 1,2-Dichloroethane	8.264	62	40059	21.496	ug/l	100
43) Isopropyl Acetate	8.295	43	45696	22.362	ug/l	99
44) Trichloroethene	8.965	130	36604	20.078	ug/l	99
45) 1,2-Dichloropropane	9.240	63	37265	20.798	ug/l	100
46) Dibromomethane	9.331	93	19872	21.468	ug/l	99
47) Bromodichloromethane	9.520	83	50809	20.826	ug/l	98
48) Methyl methacrylate	9.313	41	24037	21.165	ug/l	95
49) 1,4-Dioxane	9.319	88	3469	386.119	ug/l #	79
51) 4-Methyl-2-Pentanone	10.087	43	121027	111.161	ug/l	99
52) Toluene	10.264	92	88509	20.677	ug/l	100
53) t-1,3-Dichloropropene	10.483	75	47377	21.297	ug/l	97
54) cis-1,3-Dichloropropene	9.947	75	55103	20.535	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	28195	21.349	ug/l	99
56) Ethyl methacrylate	10.526	69	25411	21.881	ug/l	98
57) 1,3-Dichloropropane	10.807	76	48981	21.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.801	63	70809	113.342	ug/l	99
59) 2-Hexanone	10.849	43	87293	107.525	ug/l	99
60) Dibromochloromethane	11.002	129	32565	21.315	ug/l	99
61) 1,2-Dibromoethane	11.111	107	25357	21.410	ug/l	98
64) Tetrachloroethene	10.740	164	30610	21.407	ug/l	98
65) Chlorobenzene	11.538	112	91890	20.318	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.605	131	34043	20.006	ug/l	97
67) Ethyl Benzene	11.611	91	163404	19.630	ug/l	100
68) m/p-Xylenes	11.721	106	121816	39.630	ug/l	99
69) o-Xylene	12.050	106	57413	20.359	ug/l	99
70) Styrene	12.062	104	84400	20.226	ug/l	99
71) Bromoform	12.227	173	17741	20.913	ug/l #	98
73) Isopropylbenzene	12.349	105	152368	20.155	ug/l	100
74) N-amyl acetate	12.160	43	35154	22.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.599	83	32804	21.714	ug/l	100
76) 1,2,3-Trichloropropane	12.648	75	22869m	21.312	ug/l	
77) Bromobenzene	12.629	156	33696	20.431	ug/l	97
78) n-propylbenzene	12.690	91	186601	20.373	ug/l	100
79) 2-Chlorotoluene	12.776	91	105765	20.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	122074	20.399	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	8914	19.509	ug/l	97
82) 4-Chlorotoluene	12.873	91	107746	20.722	ug/l	100
83) tert-Butylbenzene	13.093	119	104924	20.157	ug/l	98
84) 1,2,4-Trimethylbenzene	13.135	105	122085	20.689	ug/l	99
85) sec-Butylbenzene	13.270	105	153698	19.935	ug/l	100
86) p-Isopropyltoluene	13.385	119	126531	19.706	ug/l	100
87) 1,3-Dichlorobenzene	13.385	146	64574	20.035	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	65423	20.788	ug/l	98
89) n-Butylbenzene	13.715	91	120151	19.576	ug/l	99
90) Hexachloroethane	13.977	117	26612	19.904	ug/l	98
91) 1,2-Dichlorobenzene	13.757	146	56645	20.630	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	4337	22.147	ug/l	97
93) 1,2,4-Trichlorobenzene	15.025	180	29171	20.022	ug/l	97
94) Hexachlorobutadiene	15.129	225	16237	19.621	ug/l	98
95) Naphthalene	15.257	128	56240	20.237	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	24830	20.010	ug/l	96

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

