

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016780.D
 Acq On : 22 Dec 2023 01:28
 Operator : SY/MD
 Sample : VY1221SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1221SBS03

Quant Time: Dec 22 03:17:36 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	130426	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	233954	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	204878	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	88158	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	73343	61.599	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.200%			
35) Dibromofluoromethane	7.752	113	76528	57.104	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.200%			
50) Toluene-d8	10.203	98	272729	56.453	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.900%			
62) 4-Bromofluorobenzene	12.501	95	88321	56.351	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	24220	21.730	ug/l	99
3) Chloromethane	2.131	50	37917	22.131	ug/l	94
4) Vinyl Chloride	2.271	62	42607	22.017	ug/l	97
5) Bromomethane	2.668	94	31806	23.076	ug/l	93
6) Chloroethane	2.814	64	28981	22.101	ug/l	99
7) Trichlorofluoromethane	3.149	101	48265	21.409	ug/l	95
8) Diethyl Ether	3.552	74	17643	24.465	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.936	101	29829	21.570	ug/l	99
10) Methyl Iodide	4.125	142	31249	21.685	ug/l	99
11) Tert butyl alcohol	4.990	59	13170	134.907	ug/l	100
12) 1,1-Dichloroethene	3.905	96	27450	22.294	ug/l	97
13) Acrolein	3.759	56	11697	155.293	ug/l	97
14) Allyl chloride	4.515	41	45259	23.998	ug/l	99
15) Acrylonitrile	5.198	53	41338	135.355	ug/l	99
16) Acetone	3.972	43	41457	128.762	ug/l	92
17) Carbon Disulfide	4.228	76	70376	21.006	ug/l	98
18) Methyl Acetate	4.515	43	32896	26.144	ug/l	100
19) Methyl tert-butyl Ether	5.265	73	78878	24.897	ug/l	97
20) Methylene Chloride	4.759	84	41718	23.424	ug/l	93
21) trans-1,2-Dichloroethene	5.259	96	32293	22.996	ug/l	90
22) Diisopropyl ether	6.155	45	108556	25.443	ug/l	97
23) Vinyl Acetate	6.100	43	228680	113.323	ug/l	99
24) 1,1-Dichloroethane	6.063	63	63136	24.633	ug/l	97
25) 2-Butanone	7.021	43	57212	129.063	ug/l	98
26) 2,2-Dichloropropane	7.021	77	48322	21.605	ug/l	98
27) cis-1,2-Dichloroethene	7.027	96	39179	24.242	ug/l	99
28) Bromochloromethane	7.368	49	23896	23.556	ug/l	100
29) Tetrahydrofuran	7.380	42	32809	135.357	ug/l	99
30) Chloroform	7.539	83	65406	24.928	ug/l	100
31) Cyclohexane	7.813	56	46526	20.395	ug/l	97
32) 1,1,1-Trichloroethane	7.734	97	52887	22.963	ug/l	99
36) 1,1-Dichloropropene	7.947	75	44911	20.904	ug/l	99
37) Ethyl Acetate	7.112	43	23336	25.341	ug/l	98
38) Carbon Tetrachloride	7.935	117	44274	20.825	ug/l	96
39) Methylcyclohexane	9.209	83	47494	19.147	ug/l	98
40) Benzene	8.191	78	142163	22.738	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	10498	21.471	ug/l #	77
42) 1,2-Dichloroethane	8.264	62	39178	24.019	ug/l	100
43) Isopropyl Acetate	8.301	43	43844	24.514	ug/l	98
44) Trichloroethene	8.971	130	34736	21.768	ug/l	96
45) 1,2-Dichloropropane	9.246	63	36700	23.401	ug/l	98
46) Dibromomethane	9.331	93	19424	23.974	ug/l	98
47) Bromodichloromethane	9.520	83	50196	23.506	ug/l	94
48) Methyl methacrylate	9.319	41	23157	23.296	ug/l	94
49) 1,4-Dioxane	9.325	88	3959	503.452	ug/l	95
51) 4-Methyl-2-Pentanone	10.093	43	117808	123.623	ug/l	99
52) Toluene	10.270	92	85953	22.941	ug/l	99
53) t-1,3-Dichloropropene	10.489	75	44713	22.963	ug/l	99
54) cis-1,3-Dichloropropene	9.953	75	53313	22.699	ug/l	95
55) 1,1,2-Trichloroethane	10.666	97	27663	23.931	ug/l	98
56) Ethyl methacrylate	10.532	69	24256	23.863	ug/l	97
57) 1,3-Dichloropropane	10.813	76	47582	24.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	65469	119.727	ug/l	100
59) 2-Hexanone	10.855	43	82201	115.681	ug/l	99
60) Dibromochloromethane	11.008	129	32538	24.333	ug/l	99
61) 1,2-Dibromoethane	11.111	107	25069	24.183	ug/l	98
64) Tetrachloroethene	10.746	164	28536	22.422	ug/l	96
65) Chlorobenzene	11.538	112	89885	22.330	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	32991	21.783	ug/l	98
67) Ethyl Benzene	11.617	91	158895	21.446	ug/l	100
68) m/p-Xylenes	11.727	106	118533	43.325	ug/l	99
69) o-Xylene	12.050	106	55412	22.077	ug/l	99
70) Styrene	12.068	104	81885	22.047	ug/l	100
71) Bromoform	12.233	173	17175	22.747	ug/l #	99
73) Isopropylbenzene	12.349	105	147346	21.461	ug/l	100
74) N-amyl acetate	12.166	43	33024	22.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	32354	23.581	ug/l	98
76) 1,2,3-Trichloropropane	12.654	75	21179m	21.732	ug/l	
77) Bromobenzene	12.629	156	33416	22.309	ug/l	98
78) n-propylbenzene	12.690	91	182440	21.932	ug/l	99
79) 2-Chlorotoluene	12.776	91	101524	22.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.831	105	122752	22.586	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	8972	21.621	ug/l	99
82) 4-Chlorotoluene	12.873	91	106330	22.517	ug/l	100
83) tert-Butylbenzene	13.099	119	103794	21.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.141	105	119552	22.308	ug/l	100
85) sec-Butylbenzene	13.276	105	152618	21.796	ug/l	100
86) p-Isopropyltoluene	13.391	119	125261	21.481	ug/l	100
87) 1,3-Dichlorobenzene	13.385	146	65124	22.248	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	64206	22.463	ug/l	99
89) n-Butylbenzene	13.714	91	119277	21.397	ug/l	99
90) Hexachloroethane	13.983	117	26225	21.597	ug/l	98
91) 1,2-Dichlorobenzene	13.757	146	56676	22.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3953	22.226	ug/l	99
93) 1,2,4-Trichlorobenzene	15.025	180	29394	22.214	ug/l	99
94) Hexachlorobutadiene	15.135	225	16341	21.743	ug/l	97
95) Naphthalene	15.257	128	55505	21.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	25023	22.204	ug/l	97

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

