

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021249.D
 Acq On : 20 Feb 2025 15:04
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Quant Time: Feb 21 02:40:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
 Supervised By :Semsettin Yesilyurt 02/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	172220	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.634	114	267057	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.432	117	223487	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	107240	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	94874	53.767	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.540%			
35) Dibromofluoromethane	7.652	113	93524	54.645	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.300%			
50) Toluene-d8	10.122	98	348144	53.431	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.860%			
62) 4-Bromofluorobenzene	12.420	95	116527	54.742	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	39712	25.872	ug/l	95
3) Chloromethane	2.080	50	41200	27.201	ug/l	96
4) Vinyl Chloride	2.220	62	40829	26.781	ug/l	96
5) Bromomethane	2.611	94	21950	23.295	ug/l	97
6) Chloroethane	2.751	64	23052	25.401	ug/l	100
7) Trichlorofluoromethane	3.080	101	64145	23.095	ug/l	95
8) Diethyl Ether	3.470	74	17610	20.310	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.848	101	38196	21.911	ug/l	96
10) Methyl Iodide	4.025	142	39293	20.289	ug/l	94
11) Tert butyl alcohol	4.909	59	10737	89.794	ug/l #	91
12) 1,1-Dichloroethene	3.812	96	35824	21.816	ug/l	89
13) Acrolein	3.671	56	14550	79.020	ug/l	97
14) Allyl chloride	4.409	41	60146	21.733	ug/l	93
15) Acrylonitrile	5.092	53	34553	95.698	ug/l	98
16) Acetone	3.897	43	25615	93.086	ug/l	99
17) Carbon Disulfide	4.135	76	115339	22.400	ug/l	99
18) Methyl Acetate	4.415	43	18205	18.846	ug/l	95
19) Methyl tert-butyl Ether	5.141	73	82171	19.798	ug/l	97
20) Methylene Chloride	4.641	84	38088	22.265	ug/l	96
21) trans-1,2-Dichloroethene	5.141	96	38257	21.165	ug/l	95
22) Diisopropyl ether	6.043	45	124970	21.908	ug/l	96
23) Vinyl Acetate	5.988	43	329909	103.746	ug/l	96
24) 1,1-Dichloroethane	5.945	63	70859	21.202	ug/l	98
25) 2-Butanone	6.921	43	42508	94.005	ug/l	100
26) 2,2-Dichloropropane	6.909	77	65508	21.183	ug/l	97
27) cis-1,2-Dichloroethene	6.915	96	42046	20.209	ug/l	88
28) Bromochloromethane	7.268	49	27988	21.178	ug/l	96
29) Tetrahydrofuran	7.287	42	29056	94.961	ug/l	92
30) Chloroform	7.439	83	70342	20.491	ug/l	99
31) Cyclohexane	7.720	56	69230	23.003	ug/l	93
32) 1,1,1-Trichloroethane	7.640	97	67272	21.078	ug/l	99
36) 1,1-Dichloropropene	7.854	75	53953	21.283	ug/l	99
37) Ethyl Acetate	7.012	43	20448	18.387	ug/l	98
38) Carbon Tetrachloride	7.841	117	60947	20.576	ug/l	99
39) Methylcyclohexane	9.128	83	68191	21.992	ug/l	94
40) Benzene	8.098	78	158090	21.251	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	12190	18.947	ug/l	95
42) 1,2-Dichloroethane	8.177	62	41553	20.135	ug/l	98
43) Isopropyl Acetate	8.213	43	42790	19.364	ug/l #	86
44) Trichloroethene	8.884	130	39895	20.757	ug/l	97
45) 1,2-Dichloropropane	9.158	63	36751	20.813	ug/l	98
46) Dibromomethane	9.250	93	18970	19.404	ug/l	95
47) Bromodichloromethane	9.439	83	52357	19.968	ug/l	98
48) Methyl methacrylate	9.238	41	20188	20.057	ug/l	92
49) 1,4-Dioxane	9.256	88	2905	319.191	ug/l #	83
51) 4-Methyl-2-Pentanone	10.012	43	102999	92.691	ug/l	97
52) Toluene	10.189	92	97490	20.871	ug/l	99
53) t-1,3-Dichloropropene	10.408	75	46814	19.884	ug/l	95
54) cis-1,3-Dichloropropene	9.872	75	57133	20.495	ug/l #	90
55) 1,1,2-Trichloroethane	10.591	97	24676	19.491	ug/l	98
56) Ethyl methacrylate	10.457	69	31300	18.481	ug/l #	87
57) 1,3-Dichloropropane	10.731	76	42924	19.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	82647	102.574	ug/l	99
59) 2-Hexanone	10.774	43	64224	89.766	ug/l	95
60) Dibromochloromethane	10.926	129	34494	19.402	ug/l	98
61) 1,2-Dibromoethane	11.030	107	22794	19.222	ug/l	99
64) Tetrachloroethene	10.664	164	34969	21.078	ug/l	94
65) Chlorobenzene	11.457	112	99995	20.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.530	131	35296	19.959	ug/l	97
67) Ethyl Benzene	11.536	91	181630	20.636	ug/l	99
68) m/p-Xylenes	11.646	106	138119	41.946	ug/l	97
69) o-Xylene	11.969	106	62918	20.495	ug/l	95
70) Styrene	11.987	104	104956	20.513	ug/l	98
71) Bromoform	12.146	173	18446	18.739	ug/l #	94
73) Isopropylbenzene	12.267	105	172527	20.595	ug/l	100
74) N-amyl acetate	12.085	43	34291	18.723	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.524	83	26282	18.865	ug/l	99
76) 1,2,3-Trichloropropane	12.572	75	17703m	18.198	ug/l	
77) Bromobenzene	12.548	156	38115	19.717	ug/l	93
78) n-propylbenzene	12.609	91	207365	20.780	ug/l	99
79) 2-Chlorotoluene	12.694	91	115735	20.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.755	105	138726	20.426	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	8612	18.064	ug/l	95
82) 4-Chlorotoluene	12.792	91	119143	20.460	ug/l	99
83) tert-Butylbenzene	13.011	119	123082	19.937	ug/l	96
84) 1,2,4-Trimethylbenzene	13.060	105	134824	20.302	ug/l	98
85) sec-Butylbenzene	13.188	105	181763	20.454	ug/l	99
86) p-Isopropyltoluene	13.304	119	149881	20.304	ug/l	98
87) 1,3-Dichlorobenzene	13.304	146	73300	19.638	ug/l	99
88) 1,4-Dichlorobenzene	13.383	146	72127	19.626	ug/l	96
89) n-Butylbenzene	13.633	91	136509	20.271	ug/l	99
90) Hexachloroethane	13.895	117	30303	19.678	ug/l	86
91) 1,2-Dichlorobenzene	13.676	146	63891	19.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.291	75	3723	17.882	ug/l	96
93) 1,2,4-Trichlorobenzene	14.938	180	33243	18.435	ug/l	99
94) Hexachlorobutadiene	15.041	225	23052	19.290	ug/l	99
95) Naphthalene	15.163	128	49292	17.085	ug/l	98
96) 1,2,3-Trichlorobenzene	15.346	180	27363	18.233	ug/l	97

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

