

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021553.D
 Acq On : 17 Mar 2025 16:18
 Operator : SY/MD
 Sample : VY0317SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS02

Quant Time: Mar 18 01:27:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
 Supervised By :Semsettin Yesilyurt 03/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	197339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	309787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98942	47.437	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.880%		
35) Dibromofluoromethane	7.634	113	96047	47.168	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.340%		
50) Toluene-d8	10.109	98	352223	45.684	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.360%		
62) 4-Bromofluorobenzene	12.408	95	121715	46.410	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	30069	16.604	ug/l	99
3) Chloromethane	2.068	50	45369	17.770	ug/l	93
4) Vinyl Chloride	2.202	62	51334	18.399	ug/l	98
5) Bromomethane	2.586	94	37582	18.637	ug/l	98
6) Chloroethane	2.733	64	38713	20.996	ug/l	99
7) Trichlorofluoromethane	3.056	101	81578	20.948	ug/l	98
8) Diethyl Ether	3.452	74	19957	18.492	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	41164	18.514	ug/l	99
10) Methyl Iodide	4.001	142	40761	18.035	ug/l	100
11) Tert butyl alcohol	4.860	59	15479	100.684	ug/l	100
12) 1,1-Dichloroethene	3.787	96	35530	17.528	ug/l	97
13) Acrolein	3.647	56	10339	97.456	ug/l	92
14) Allyl chloride	4.385	41	57268	17.482	ug/l	98
15) Acrylonitrile	5.055	53	42638	92.809	ug/l	99
16) Acetone	3.873	43	44250	97.269	ug/l	91
17) Carbon Disulfide	4.104	76	104125	16.390	ug/l	100
18) Methyl Acetate	4.385	43	18486	18.314	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	91104	17.732	ug/l	100
20) Methylene Chloride	4.616	84	48652	20.374	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	40856	17.997	ug/l	95
22) Diisopropyl ether	6.013	45	135335	19.170	ug/l	98
23) Vinyl Acetate	5.958	43	357946	88.840	ug/l	98
24) 1,1-Dichloroethane	5.915	63	78854	18.925	ug/l	99
25) 2-Butanone	6.896	43	57127	90.779	ug/l	98
26) 2,2-Dichloropropane	6.884	77	69628	18.161	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	47064	18.249	ug/l	99
28) Bromochloromethane	7.244	49	35581	20.369	ug/l	99
29) Tetrahydrofuran	7.262	42	34858	89.726	ug/l	98
30) Chloroform	7.421	83	83492	19.297	ug/l	94
31) Cyclohexane	7.701	56	63321	16.210	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	72751	18.364	ug/l	99
36) 1,1-Dichloropropene	7.835	75	56991	17.880	ug/l	98
37) Ethyl Acetate	6.976	43	25634	18.196	ug/l	98
38) Carbon Tetrachloride	7.817	117	66042	18.016	ug/l	97
39) Methylcyclohexane	9.103	83	62884	16.084	ug/l	96
40) Benzene	8.079	78	172787	18.402	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	12628	16.462	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	48826	18.588	ug/l	100
43) Isopropyl Acetate	8.195	43	48394	17.695	ug/l	98
44) Trichloroethene	8.866	130	43394	18.289	ug/l	96
45) 1,2-Dichloropropane	9.140	63	42013	18.800	ug/l	97
46) Dibromomethane	9.231	93	23361	18.788	ug/l	98
47) Bromodichloromethane	9.420	83	63045	19.093	ug/l	97
48) Methyl methacrylate	9.219	41	21488	17.111	ug/l	99
49) 1,4-Dioxane	9.238	88	4605	377.324	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	125784	89.140	ug/l	100
52) Toluene	10.170	92	108761	18.373	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	52382	18.006	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	62779	18.176	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	31612	19.436	ug/l	95
56) Ethyl methacrylate	10.439	69	35523	17.125	ug/l	98
57) 1,3-Dichloropropane	10.719	76	52210	18.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	92175	96.259	ug/l	100
59) 2-Hexanone	10.762	43	83461	89.450	ug/l	97
60) Dibromochloromethane	10.914	129	42347	18.991	ug/l	98
61) 1,2-Dibromoethane	11.012	107	29079	18.943	ug/l	97
64) Tetrachloroethene	10.646	164	48031	21.275	ug/l	98
65) Chlorobenzene	11.438	112	119455	18.220	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	42944	18.526	ug/l	98
67) Ethyl Benzene	11.518	91	199242	17.314	ug/l	98
68) m/p-Xylenes	11.627	106	153588	35.155	ug/l	99
69) o-Xylene	11.957	106	70183	17.430	ug/l	99
70) Styrene	11.969	104	118544	17.747	ug/l	99
71) Bromoform	12.133	173	24387	18.820	ug/l #	99
73) Isopropylbenzene	12.255	105	189655	16.490	ug/l	99
74) N-amyl acetate	12.072	43	40100	16.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33790	16.649	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	23664m	16.084	ug/l	
77) Bromobenzene	12.530	156	46026	17.106	ug/l	98
78) n-propylbenzene	12.597	91	235447	16.857	ug/l	99
79) 2-Chlorotoluene	12.682	91	136072	17.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	156062	16.697	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	9231	14.263	ug/l	94
82) 4-Chlorotoluene	12.780	91	140854	17.031	ug/l	99
83) tert-Butylbenzene	12.999	119	136431	16.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	155980	16.808	ug/l	99
85) sec-Butylbenzene	13.176	105	208125	16.777	ug/l	99
86) p-Isopropyltoluene	13.292	119	168495	16.486	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	91290	17.045	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	90500	17.278	ug/l	98
89) n-Butylbenzene	13.615	91	156733	16.608	ug/l	99
90) Hexachloroethane	13.877	117	37686	17.285	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	81555	17.766	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4942	16.256	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	42168	16.818	ug/l	99
94) Hexachlorobutadiene	15.023	225	27492	17.492	ug/l	99
95) Naphthalene	15.145	128	59399	16.027	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	34040	16.142	ug/l	99

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

