

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010725\
 Data File : VY020792.D
 Acq On : 07 Jan 2025 14:32
 Operator : SY/MD
 Sample : VY0107SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0107SBS02

Quant Time: Jan 08 00:53:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	180268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	267524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	225938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	112665	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.073	65	94226	61.497	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.000%	
35) Dibromofluoromethane	7.646	113	96684	57.687	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.380%	
50) Toluene-d8	10.115	98	365239	62.513	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 125.020%	
62) 4-Bromofluorobenzene	12.414	95	124274	57.599	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 115.200%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	26220	19.819	ug/l	98
3) Chloromethane	2.074	50	12980	18.634	ug/l	96
4) Vinyl Chloride	2.214	62	15676	20.244	ug/l	97
5) Bromomethane	2.605	94	10656	19.320	ug/l	99
6) Chloroethane	2.745	64	10175	21.306	ug/l	98
7) Trichlorofluoromethane	3.074	101	47620	20.036	ug/l	93
8) Diethyl Ether	3.470	74	16250	21.864	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.830	101	33127	20.640	ug/l	99
10) Methyl Iodide	4.025	142	34494	20.055	ug/l	98
11) Tert butyl alcohol	4.891	59	14521	125.421	ug/l	96
12) 1,1-Dichloroethene	3.806	96	28956	20.598	ug/l	96
13) Acrolein	3.665	56	4906	150.889	ug/l	95
14) Allyl chloride	4.403	41	43124	21.263	ug/l	96
15) Acrylonitrile	5.080	53	37783	119.614	ug/l	100
16) Acetone	3.885	43	26098	119.779	ug/l	94
17) Carbon Disulfide	4.123	76	57758	18.939	ug/l	98
18) Methyl Acetate	4.397	43	17788	24.179	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	88743	22.368	ug/l	99
20) Methylene Chloride	4.629	84	32501	21.599	ug/l	94
21) trans-1,2-Dichloroethene	5.129	96	31213	20.162	ug/l	97
22) Diisopropyl ether	6.037	45	99071	22.931	ug/l	99
23) Vinyl Acetate	5.976	43	277313	116.414	ug/l	100
24) 1,1-Dichloroethane	5.939	63	61103	21.437	ug/l	100
25) 2-Butanone	6.909	43	44029	123.016	ug/l	100
26) 2,2-Dichloropropane	6.903	77	59973	20.265	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	40225	20.594	ug/l	96
28) Bromochloromethane	7.256	49	13973	18.167	ug/l	98
29) Tetrahydrofuran	7.281	42	29121	127.369	ug/l	98
30) Chloroform	7.433	83	68805	21.167	ug/l	100
31) Cyclohexane	7.713	56	45545	20.428	ug/l	94
32) 1,1,1-Trichloroethane	7.634	97	65182	20.558	ug/l	99
36) 1,1-Dichloropropene	7.848	75	43101	20.162	ug/l	99
37) Ethyl Acetate	7.000	43	20830	24.485	ug/l	99
38) Carbon Tetrachloride	7.829	117	60084	20.191	ug/l	97
39) Methylcyclohexane	9.116	83	53241	20.296	ug/l	97
40) Benzene	8.091	78	139388	21.245	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	11580	23.768	ug/l	98
42) 1,2-Dichloroethane	8.171	62	38473	21.472	ug/l	100
43) Isopropyl Acetate	8.207	43	40956	23.669	ug/l	98
44) Trichloroethene	8.872	130	37712	20.619	ug/l	100
45) 1,2-Dichloropropane	9.152	63	32774	22.034	ug/l	93
46) Dibromomethane	9.238	93	19127	22.394	ug/l	97
47) Bromodichloromethane	9.433	83	52591	21.499	ug/l	99
48) Methyl methacrylate	9.231	41	18397	23.716	ug/l	98
49) 1,4-Dioxane	9.244	88	4426	488.063	ug/l	86
51) 4-Methyl-2-Pentanone	10.006	43	108642	125.678	ug/l	99
52) Toluene	10.183	92	92229	21.228	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	46923	21.568	ug/l	95
54) cis-1,3-Dichloropropene	9.866	75	54465	21.556	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	27267	22.346	ug/l	95
56) Ethyl methacrylate	10.445	69	36667	23.794	ug/l	97
57) 1,3-Dichloropropane	10.725	76	44845	22.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	64077	104.813	ug/l	99
59) 2-Hexanone	10.768	43	71298	128.561	ug/l	99
60) Dibromochloromethane	10.920	129	38450	21.727	ug/l	98
61) 1,2-Dibromoethane	11.024	107	24911	22.740	ug/l	96
64) Tetrachloroethene	10.658	164	33384	20.097	ug/l	98
65) Chlorobenzene	11.451	112	105096	21.038	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	39923	20.993	ug/l	97
67) Ethyl Benzene	11.530	91	181429	20.977	ug/l	99
68) m/p-Xylenes	11.640	106	140406	42.165	ug/l	97
69) o-Xylene	11.963	106	66916	21.194	ug/l	97
70) Styrene	11.981	104	112697	21.205	ug/l	100
71) Bromoform	12.139	173	23356	21.604	ug/l #	99
73) Isopropylbenzene	12.261	105	184686	20.663	ug/l	99
74) N-amyl acetate	12.079	43	35420	24.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	31475	23.234	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	20540m	20.836	ug/l	
77) Bromobenzene	12.542	156	43765	21.238	ug/l	99
78) n-propylbenzene	12.603	91	211576	20.855	ug/l	98
79) 2-Chlorotoluene	12.688	91	122384	20.948	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	150777	20.816	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	10633	22.743	ug/l	99
82) 4-Chlorotoluene	12.786	91	125152	20.758	ug/l	99
83) tert-Butylbenzene	13.005	119	140147	20.687	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	149213	21.095	ug/l	98
85) sec-Butylbenzene	13.188	105	198726	21.001	ug/l	99
86) p-Isopropyltoluene	13.304	119	168825	20.914	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	83856	20.943	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	83273	21.128	ug/l	99
89) n-Butylbenzene	13.627	91	144719	20.664	ug/l	99
90) Hexachloroethane	13.889	117	33203	20.484	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	74481	21.275	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4987	22.768	ug/l	95
93) 1,2,4-Trichlorobenzene	14.932	180	43260	21.471	ug/l	100
94) Hexachlorobutadiene	15.035	225	29696	20.907	ug/l	97
95) Naphthalene	15.157	128	75755	22.845	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	36735	21.763	ug/l	100

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

