

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022442.D
 Acq On : 28 May 2025 10:26
 Operator : SY/MD
 Sample : VY0528SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Quant Time: May 29 01:51:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	222613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	379845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	322081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144212	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	119909	51.138	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.280%	
35) Dibromofluoromethane	7.634	113	115291	51.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.660%	
50) Toluene-d8	10.109	98	464967	51.274	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.408	95	134698	49.106	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.220%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	47571	22.398	ug/l	99
3) Chloromethane	2.068	50	110018	21.059	ug/l	99
4) Vinyl Chloride	2.208	62	140860	22.194	ug/l	99
5) Bromomethane	2.592	94	136418	23.653	ug/l	99
6) Chloroethane	2.733	64	96467	23.260	ug/l	97
7) Trichlorofluoromethane	3.050	101	123701	23.101	ug/l	97
8) Diethyl Ether	3.458	74	25715	20.827	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49894	21.238	ug/l	100
10) Methyl Iodide	4.007	142	51365	19.380	ug/l	99
11) Tert butyl alcohol	4.885	59	15176	91.821	ug/l	95
12) 1,1-Dichloroethene	3.793	96	48986	21.003	ug/l	97
13) Acrolein	3.659	56	22349	90.245	ug/l	100
14) Allyl chloride	4.379	41	73376	20.914	ug/l	98
15) Acrylonitrile	5.061	53	49448	99.358	ug/l	99
16) Acetone	3.873	43	35098	91.091	ug/l	93
17) Carbon Disulfide	4.110	76	159383	21.414	ug/l	99
18) Methyl Acetate	4.385	43	28043	19.429	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	125340	20.242	ug/l	95
20) Methylene Chloride	4.622	84	55726	20.481	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	54548	21.423	ug/l	90
22) Diisopropyl ether	6.019	45	161312	20.833	ug/l	99
23) Vinyl Acetate	5.964	43	450862	101.407	ug/l	99
24) 1,1-Dichloroethane	5.915	63	97283	21.262	ug/l	98
25) 2-Butanone	6.896	43	61143	95.283	ug/l	94
26) 2,2-Dichloropropane	6.890	77	84887	20.489	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	60169	20.412	ug/l	97
28) Bromochloromethane	7.250	49	40724	21.315	ug/l	100
29) Tetrahydrofuran	7.268	42	40657	95.001	ug/l	99
30) Chloroform	7.421	83	97167	21.552	ug/l	98
31) Cyclohexane	7.707	56	93817	20.801	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	86455	21.129	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72726	20.603	ug/l	99
37) Ethyl Acetate	6.994	43	29788	19.857	ug/l	97
38) Carbon Tetrachloride	7.817	117	74487	20.257	ug/l	97
39) Methylcyclohexane	9.109	83	94704	20.183	ug/l	96
40) Benzene	8.079	78	218521	20.805	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16002m	17.575	ug/l	
42) 1,2-Dichloroethane	8.158	62	56928	20.522	ug/l	99
43) Isopropyl Acetate	8.201	43	63076	19.242	ug/l	99
44) Trichloroethene	8.866	130	53405	20.568	ug/l	98
45) 1,2-Dichloropropane	9.140	63	50282	20.375	ug/l	99
46) Dibromomethane	9.231	93	27222	19.746	ug/l	98
47) Bromodichloromethane	9.426	83	71355	20.128	ug/l #	98
48) Methyl methacrylate	9.219	41	28359	18.636	ug/l	98
49) 1,4-Dioxane	9.237	88	6128	402.444	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	151923	93.929	ug/l	99
52) Toluene	10.170	92	132095	20.135	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	63595	19.259	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	77188	19.893	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	34344	19.704	ug/l	97
56) Ethyl methacrylate	10.438	69	46852	18.731	ug/l	97
57) 1,3-Dichloropropane	10.719	76	62032	20.195	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	113229	90.831	ug/l	99
59) 2-Hexanone	10.762	43	97515	91.997	ug/l	99
60) Dibromochloromethane	10.914	129	43493	19.534	ug/l	98
61) 1,2-Dibromoethane	11.018	107	30648	19.225	ug/l	97
64) Tetrachloroethene	10.646	164	56496	20.596	ug/l	97
65) Chlorobenzene	11.444	112	138069	20.104	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	44338	19.055	ug/l	97
67) Ethyl Benzene	11.518	91	254353	19.946	ug/l	99
68) m/p-Xylenes	11.627	106	189320	39.158	ug/l	99
69) o-Xylene	11.957	106	90159	19.842	ug/l	97
70) Styrene	11.969	104	147733	19.526	ug/l	99
71) Bromoform	12.133	173	22515	18.473	ug/l #	98
73) Isopropylbenzene	12.255	105	235267	20.728	ug/l	100
74) N-amyl acetate	12.072	43	52798	19.011	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33622	18.802	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	27469m	19.016	ug/l	
77) Bromobenzene	12.536	156	48932	20.034	ug/l	99
78) n-propylbenzene	12.597	91	280561	20.598	ug/l	100
79) 2-Chlorotoluene	12.682	91	151175	20.503	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	179170	20.204	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11645	18.231	ug/l	95
82) 4-Chlorotoluene	12.780	91	151976	20.013	ug/l	99
83) tert-Butylbenzene	12.999	119	163928	20.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	178972	20.054	ug/l	100
85) sec-Butylbenzene	13.176	105	246347	20.732	ug/l	100
86) p-Isopropyltoluene	13.292	119	199508	20.106	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	98113	19.964	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	95030	20.223	ug/l	98
89) n-Butylbenzene	13.615	91	189473	20.366	ug/l	99
90) Hexachloroethane	13.883	117	40872	20.699	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	81774	19.921	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5368	19.426	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	42773	18.796	ug/l	98
94) Hexachlorobutadiene	15.023	225	24639	20.631	ug/l	94
95) Naphthalene	15.145	128	77539	18.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	36202	19.398	ug/l	99

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

