

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022235.D
 Acq On : 13 May 2025 11:41
 Operator : SY/MD
 Sample : VY0513SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBS01

Quant Time: May 14 04:33:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	205768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104601	55.035	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.060%			
35) Dibromofluoromethane	7.634	113	116697	55.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.860%			
50) Toluene-d8	10.103	98	430753	54.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.540%			
62) 4-Bromofluorobenzene	12.408	95	146430	54.803	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	33111	18.885	ug/l	95
3) Chloromethane	2.062	50	59733	23.926	ug/l	95
4) Vinyl Chloride	2.196	62	71426	23.281	ug/l	96
5) Bromomethane	2.592	94	74211	28.077	ug/l	96
6) Chloroethane	2.727	64	51844	24.813	ug/l	99
7) Trichlorofluoromethane	3.050	101	94370	23.327	ug/l	95
8) Diethyl Ether	3.452	74	23641	22.452	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	47236	21.524	ug/l	99
10) Methyl Iodide	4.001	142	50720	19.962	ug/l	97
11) Tert butyl alcohol	4.897	59	12386	118.704	ug/l	98
12) 1,1-Dichloroethene	3.787	96	42408	20.732	ug/l	94
13) Acrolein	3.647	56	7204	38.467	ug/l	94
14) Allyl chloride	4.379	41	50612	21.249	ug/l	99
15) Acrylonitrile	5.055	53	45168	117.173	ug/l	96
16) Acetone	3.879	43	30353	110.051	ug/l	97
17) Carbon Disulfide	4.098	76	131391	20.145	ug/l	99
18) Methyl Acetate	4.385	43	26168	29.474	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	98499	21.514	ug/l	95
20) Methylene Chloride	4.604	84	52411	21.808	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	47788	20.860	ug/l	96
22) Diisopropyl ether	6.019	45	122027	23.022	ug/l	97
23) Vinyl Acetate	5.958	43	314953	110.254	ug/l	97
24) 1,1-Dichloroethane	5.909	63	82538	22.465	ug/l	98
25) 2-Butanone	6.896	43	48820	112.685	ug/l	98
26) 2,2-Dichloropropane	6.884	77	70135	21.780	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	54188	21.154	ug/l	96
28) Bromochloromethane	7.244	49	32645	22.875	ug/l	98
29) Tetrahydrofuran	7.262	42	33042	117.427	ug/l	96
30) Chloroform	7.421	83	90657	22.245	ug/l	96
31) Cyclohexane	7.695	56	65020	20.695	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	81708	22.161	ug/l	100
36) 1,1-Dichloropropene	7.835	75	61873	21.879	ug/l	99
37) Ethyl Acetate	6.982	43	22503	22.155	ug/l	99
38) Carbon Tetrachloride	7.817	117	74117	21.933	ug/l	96
39) Methylcyclohexane	9.110	83	71025	19.957	ug/l	93
40) Benzene	8.073	78	195390	22.102	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	11466	20.651	ug/l #	83
42) 1,2-Dichloroethane	8.152	62	50646	23.139	ug/l	99
43) Isopropyl Acetate	8.195	43	45515	23.334	ug/l	97
44) Trichloroethene	8.860	130	53008	21.648	ug/l	92
45) 1,2-Dichloropropane	9.134	63	44972	23.004	ug/l	98
46) Dibromomethane	9.231	93	27033	22.089	ug/l	98
47) Bromodichloromethane	9.420	83	69720	22.805	ug/l	100
48) Methyl methacrylate	9.219	41	20317	22.532	ug/l	97
49) 1,4-Dioxane	9.244	88	6044	463.364	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	124925	122.176	ug/l	97
52) Toluene	10.170	92	125975	22.014	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	57615	21.971	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	68572	21.998	ug/l	93
55) 1,1,2-Trichloroethane	10.573	97	37727	23.079	ug/l	97
56) Ethyl methacrylate	10.439	69	40235	21.523	ug/l	98
57) 1,3-Dichloropropane	10.713	76	61017	23.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	99191	108.523	ug/l	100
59) 2-Hexanone	10.762	43	78455	116.329	ug/l	96
60) Dibromochloromethane	10.908	129	52453	23.176	ug/l	100
61) 1,2-Dibromoethane	11.012	107	35508	23.008	ug/l	99
64) Tetrachloroethene	10.646	164	57676	20.997	ug/l	98
65) Chlorobenzene	11.438	112	137979	21.190	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	50979	22.238	ug/l	99
67) Ethyl Benzene	11.518	91	223400	20.973	ug/l	97
68) m/p-Xylenes	11.627	106	182141	42.973	ug/l	98
69) o-Xylene	11.950	106	81490	20.860	ug/l	98
70) Styrene	11.969	104	142382	21.707	ug/l	99
71) Bromoform	12.133	173	30487	22.875	ug/l #	99
73) Isopropylbenzene	12.255	105	216371	20.914	ug/l	99
74) N-amyl acetate	12.072	43	39121	22.009	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41259	23.654	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30445m	22.953	ug/l	
77) Bromobenzene	12.530	156	57844	22.127	ug/l	98
78) n-propylbenzene	12.597	91	266261	21.611	ug/l	100
79) 2-Chlorotoluene	12.676	91	158236	22.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	185785	21.795	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12172	22.099	ug/l	97
82) 4-Chlorotoluene	12.774	91	166643	22.373	ug/l	100
83) tert-Butylbenzene	12.999	119	163686	21.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	188054	22.056	ug/l	99
85) sec-Butylbenzene	13.176	105	243116	21.732	ug/l	99
86) p-Isopropyltoluene	13.292	119	202352	21.301	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	115831	21.815	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	113700	21.622	ug/l	100
89) n-Butylbenzene	13.615	91	176888	20.833	ug/l	99
90) Hexachloroethane	13.877	117	44862	21.495	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	103270	22.300	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6383	23.001	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	54588	20.801	ug/l	99
94) Hexachlorobutadiene	15.023	225	35030	21.696	ug/l	98
95) Naphthalene	15.145	128	87247	20.014	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	48038	21.206	ug/l	99

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

