

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022280.D
 Acq On : 16 May 2025 10:32
 Operator : SY/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:29:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	203690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	339478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	288167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108666	48.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.620%		
35) Dibromofluoromethane	7.634	113	101282	49.986	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.980%		
50) Toluene-d8	10.103	98	419998	50.612	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.220%		
62) 4-Bromofluorobenzene	12.401	95	124508	47.336	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.860	85	45320	21.323	ug/l	100
3) Chloromethane	2.068	50	89643	20.050	ug/l	99
4) Vinyl Chloride	2.202	62	113325	22.687	ug/l	97
5) Bromomethane	2.592	94	100608	24.742	ug/l	100
6) Chloroethane	2.732	64	76134	24.499	ug/l	94
7) Trichlorofluoromethane	3.049	101	113531	22.449	ug/l	99
8) Diethyl Ether	3.452	74	24654	20.313	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	46371	21.120	ug/l	99
10) Methyl Iodide	4.006	142	50840	20.007	ug/l	98
11) Tert butyl alcohol	4.872	59	16691	98.184	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45722	20.985	ug/l	94
13) Acrolein	3.647	56	23160	93.192	ug/l	99
14) Allyl chloride	4.384	41	74770	19.572	ug/l	96
15) Acrylonitrile	5.055	53	50590	101.160	ug/l	98
16) Acetone	3.866	43	36565	87.598	ug/l	97
17) Carbon Disulfide	4.104	76	148802	20.944	ug/l	99
18) Methyl Acetate	4.378	43	25151	19.111	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	122294	20.356	ug/l	99
20) Methylene Chloride	4.610	84	53780	19.939	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	50003	20.792	ug/l	97
22) Diisopropyl ether	6.018	45	158826	19.687	ug/l	99
23) Vinyl Acetate	5.957	43	469710	96.371	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92513	20.525	ug/l	99
25) 2-Butanone	6.896	43	64571	92.480	ug/l	92
26) 2,2-Dichloropropane	6.884	77	80995	20.204	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	56366	20.310	ug/l	100
28) Bromochloromethane	7.244	49	38732	20.146	ug/l	99
29) Tetrahydrofuran	7.262	42	44428	98.905	ug/l	98
30) Chloroform	7.420	83	90902	21.026	ug/l	98
31) Cyclohexane	7.695	56	91439	20.304	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	80915	20.400	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67913	20.349	ug/l	100
37) Ethyl Acetate	6.988	43	31487	19.608	ug/l	98
38) Carbon Tetrachloride	7.817	117	70584	20.432	ug/l	97
39) Methylcyclohexane	9.109	83	90919	20.277	ug/l	98
40) Benzene	8.079	78	204079	20.627	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	18400	17.274	ug/l #	88
42) 1,2-Dichloroethane	8.152	62	53133	19.859	ug/l	99
43) Isopropyl Acetate	8.195	43	66950	19.118	ug/l	99
44) Trichloroethene	8.865	130	51106	20.775	ug/l	96
45) 1,2-Dichloropropane	9.140	63	48446	20.310	ug/l	98
46) Dibromomethane	9.231	93	25997	20.207	ug/l	99
47) Bromodichloromethane	9.420	83	67595	20.253	ug/l	97
48) Methyl methacrylate	9.219	41	30284	18.491	ug/l	96
49) 1,4-Dioxane	9.237	88	6090	419.019	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	163009	94.864	ug/l	98
52) Toluene	10.170	92	125822	20.083	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	63546	19.510	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74247	19.896	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	32948	20.000	ug/l	96
56) Ethyl methacrylate	10.438	69	49294	19.209	ug/l	97
57) 1,3-Dichloropropane	10.719	76	59270	20.249	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	99008	85.956	ug/l	98
59) 2-Hexanone	10.761	43	106944	92.824	ug/l	98
60) Dibromochloromethane	10.914	129	43309	20.254	ug/l	99
61) 1,2-Dibromoethane	11.011	107	30475	19.847	ug/l	99
64) Tetrachloroethene	10.645	164	54336	20.400	ug/l	97
65) Chlorobenzene	11.438	112	131384	20.209	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	43212	19.334	ug/l	97
67) Ethyl Benzene	11.517	91	242474	19.915	ug/l	98
68) m/p-Xylenes	11.627	106	181081	39.468	ug/l	99
69) o-Xylene	11.956	106	85366	19.666	ug/l	99
70) Styrene	11.968	104	142146	19.413	ug/l	99
71) Bromoform	12.127	173	23119	19.164	ug/l #	98
73) Isopropylbenzene	12.255	105	224799	20.716	ug/l	100
74) N-amyl acetate	12.072	43	59534	19.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	35066	21.012	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	25797m	19.440	ug/l	
77) Bromobenzene	12.529	156	48963	21.127	ug/l	93
78) n-propylbenzene	12.596	91	273198	20.873	ug/l	99
79) 2-Chlorotoluene	12.676	91	148194	20.603	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	178171	20.340	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12844	19.607	ug/l	99
82) 4-Chlorotoluene	12.773	91	148810	20.114	ug/l	98
83) tert-Butylbenzene	12.999	119	162109	20.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	177507	20.414	ug/l	100
85) sec-Butylbenzene	13.175	105	238957	20.676	ug/l	100
86) p-Isopropyltoluene	13.291	119	199175	20.491	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	94598	19.994	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	91982	20.212	ug/l	99
89) n-Butylbenzene	13.614	91	189787	20.639	ug/l	99
90) Hexachloroethane	13.877	117	40423	20.602	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	80005	20.132	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5453	20.264	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	45364	19.762	ug/l	97
94) Hexachlorobutadiene	15.023	225	26052	20.350	ug/l	96
95) Naphthalene	15.145	128	82519	18.943	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	37415	19.213	ug/l	98

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

