

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022456.D
 Acq On : 29 May 2025 09:50
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:30:21 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	205776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	359832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140548	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	119518	55.142	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.280%	
35) Dibromofluoromethane	7.640	113	110555	52.463	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.920%	
50) Toluene-d8	10.109	98	443079	51.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.160%	
62) 4-Bromofluorobenzene	12.408	95	129686	49.908	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.820%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45950	23.405	ug/l	96
3) Chloromethane	2.068	50	127635	26.430	ug/l	99
4) Vinyl Chloride	2.208	62	143639	24.484	ug/l	98
5) Bromomethane	2.598	94	153498	28.792	ug/l	96
6) Chloroethane	2.739	64	103463	26.988	ug/l	99
7) Trichlorofluoromethane	3.050	101	125182	25.290	ug/l	97
8) Diethyl Ether	3.458	74	27089	23.735	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	46248	21.297	ug/l	100
10) Methyl Iodide	4.007	142	52695	21.509	ug/l	98
11) Tert butyl alcohol	4.897	59	18285	119.684	ug/l	99
12) 1,1-Dichloroethene	3.793	96	47557	22.059	ug/l	96
13) Acrolein	3.659	56	23667	103.387	ug/l	99
14) Allyl chloride	4.391	41	72904	22.480	ug/l	98
15) Acrylonitrile	5.068	53	53746	116.830	ug/l	100
16) Acetone	3.885	43	41379	116.179	ug/l	96
17) Carbon Disulfide	4.110	76	148882	21.639	ug/l	99
18) Methyl Acetate	4.391	43	33619	25.198	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	131747	23.017	ug/l	99
20) Methylene Chloride	4.629	84	53789	21.387	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	51482	21.873	ug/l	97
22) Diisopropyl ether	6.025	45	161945	22.626	ug/l	98
23) Vinyl Acetate	5.970	43	456630	111.108	ug/l	98
24) 1,1-Dichloroethane	5.921	63	96288	22.766	ug/l	99
25) 2-Butanone	6.903	43	68030	114.690	ug/l	99
26) 2,2-Dichloropropane	6.890	77	81729	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	59568	21.861	ug/l	99
28) Bromochloromethane	7.256	49	38824	21.983	ug/l	100
29) Tetrahydrofuran	7.274	42	46439	117.391	ug/l	98
30) Chloroform	7.427	83	94926	22.777	ug/l	98
31) Cyclohexane	7.707	56	86206	20.677	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	81565	21.565	ug/l	98
36) 1,1-Dichloropropene	7.841	75	69669	20.835	ug/l	100
37) Ethyl Acetate	6.994	43	31627	22.255	ug/l	96
38) Carbon Tetrachloride	7.823	117	71355	20.484	ug/l	94
39) Methylcyclohexane	9.116	83	88788	19.975	ug/l	97
40) Benzene	8.085	78	212449	21.352	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	17862	20.709	ug/l	89
42) 1,2-Dichloroethane	8.165	62	57566	21.906	ug/l	100
43) Isopropyl Acetate	8.201	43	68235	21.973	ug/l #	87
44) Trichloroethene	8.872	130	51499	20.937	ug/l	98
45) 1,2-Dichloropropane	9.146	63	51267	21.930	ug/l	96
46) Dibromomethane	9.238	93	28152	21.556	ug/l	98
47) Bromodichloromethane	9.427	83	72157	21.486	ug/l	99
48) Methyl methacrylate	9.225	41	31618	21.934	ug/l	100
49) 1,4-Dioxane	9.238	88	6628	459.490	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	169643	110.718	ug/l	100
52) Toluene	10.176	92	127807	20.565	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	66189	21.159	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	77958	21.209	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	35077	21.244	ug/l	95
56) Ethyl methacrylate	10.445	69	50615	21.361	ug/l	97
57) 1,3-Dichloropropane	10.719	76	62576	21.506	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	124329	105.282	ug/l	98
59) 2-Hexanone	10.768	43	112377	111.915	ug/l	100
60) Dibromochloromethane	10.914	129	44484	21.090	ug/l	98
61) 1,2-Dibromoethane	11.018	107	32567	21.565	ug/l	100
64) Tetrachloroethene	10.652	164	54451	20.904	ug/l	97
65) Chlorobenzene	11.444	112	136170	20.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	45682	20.674	ug/l	98
67) Ethyl Benzene	11.524	91	245127	20.243	ug/l	99
68) m/p-Xylenes	11.633	106	183812	40.037	ug/l	100
69) o-Xylene	11.957	106	87779	20.343	ug/l	100
70) Styrene	11.975	104	146742	20.424	ug/l	100
71) Bromoform	12.133	173	24149	20.865	ug/l #	97
73) Isopropylbenzene	12.255	105	226043	20.435	ug/l	99
74) N-amyl acetate	12.072	43	58739	21.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	37969	21.786	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	26369m	18.730	ug/l	
77) Bromobenzene	12.536	156	48852	20.522	ug/l	96
78) n-propylbenzene	12.597	91	274435	20.673	ug/l	98
79) 2-Chlorotoluene	12.682	91	148607	20.680	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	179270	20.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13230	21.252	ug/l	99
82) 4-Chlorotoluene	12.780	91	152410	20.594	ug/l	99
83) tert-Butylbenzene	12.999	119	157690	20.194	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	178877	20.566	ug/l	100
85) sec-Butylbenzene	13.176	105	238715	20.613	ug/l	100
86) p-Isopropyltoluene	13.292	119	196000	20.268	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	97966	20.454	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	97065	21.194	ug/l	99
89) n-Butylbenzene	13.621	91	188466	20.785	ug/l	100
90) Hexachloroethane	13.883	117	40139	20.858	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	84578	21.142	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6003	22.291	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	48125	21.699	ug/l	97
94) Hexachlorobutadiene	15.023	225	24884	21.380	ug/l	97
95) Naphthalene	15.145	128	91603	22.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	39958	21.968	ug/l	97

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

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