

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022357.D
 Acq On : 21 May 2025 10:58
 Operator : SY/MD
 Sample : VY0521SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0521SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
 Supervised By :Semsettin Yesilyurt 05/22/2025

Quant Time: May 22 00:06:27 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	7.720	168	167654	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	290006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	243938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	114032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	89961	49.097	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.200%		
35) Dibromofluoromethane	7.640	113	84115	48.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.200%		
50) Toluene-d8	10.109	98	340664	48.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.100%		
62) 4-Bromofluorobenzene	12.408	95	101000	44.949	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	33897	19.376	ug/l	97
3) Chloromethane	2.068	50	95846	26.045	ug/l	99
4) Vinyl Chloride	2.208	62	108676	26.433	ug/l	97
5) Bromomethane	2.598	94	114427	34.189	ug/l	94
6) Chloroethane	2.739	64	76227	29.802	ug/l	98
7) Trichlorofluoromethane	3.056	101	93784	22.530	ug/l	98
8) Diethyl Ether	3.464	74	20299	20.320	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	36445	20.167	ug/l	99
10) Methyl Iodide	4.013	142	39629	18.947	ug/l	98
11) Tert butyl alcohol	4.891	59	14136	101.028	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	35311	19.690	ug/l	99
13) Acrolein	3.665	56	12461	60.919	ug/l	90
14) Allyl chloride	4.391	41	55827	17.754	ug/l	93
15) Acrylonitrile	5.080	53	43038	104.556	ug/l	100
16) Acetone	3.885	43	31200	90.811	ug/l	96
17) Carbon Disulfide	4.117	76	114241	19.535	ug/l	97
18) Methyl Acetate	4.403	43	21583	19.924	ug/l	94
19) Methyl tert-butyl Ether	5.129	73	101610	20.549	ug/l	96
20) Methylene Chloride	4.629	84	44141	19.883	ug/l	87
21) trans-1,2-Dichloroethene	5.122	96	39307	19.858	ug/l	93
22) Diisopropyl ether	6.037	45	123801	18.644	ug/l	95
23) Vinyl Acetate	5.970	43	371954	92.717	ug/l	97
24) 1,1-Dichloroethane	5.927	63	73201	19.732	ug/l	97
25) 2-Butanone	6.909	43	53829	93.666	ug/l	100
26) 2,2-Dichloropropane	6.896	77	62636	18.982	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	45862	20.078	ug/l	97
28) Bromochloromethane	7.256	49	31914	20.168	ug/l	96
29) Tetrahydrofuran	7.274	42	37055	100.222	ug/l	95
30) Chloroform	7.433	83	72203	20.291	ug/l	98
31) Cyclohexane	7.707	56	68426	18.460	ug/l	93
32) 1,1,1-Trichloroethane	7.628	97	64255	19.682	ug/l	98
36) 1,1-Dichloropropene	7.848	75	53474	18.756	ug/l	99
37) Ethyl Acetate	7.000	43	26953	19.648	ug/l	96
38) Carbon Tetrachloride	7.823	117	55250	18.721	ug/l	98
39) Methylcyclohexane	9.116	83	69340	18.103	ug/l	95
40) Benzene	8.085	78	164005	19.405	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15660	17.210	ug/l #	86
42) 1,2-Dichloroethane	8.165	62	43850	19.185	ug/l	100
43) Isopropyl Acetate	8.201	43	55302	18.485	ug/l	97
44) Trichloroethene	8.872	130	40604	19.321	ug/l	95
45) 1,2-Dichloropropane	9.146	63	38589	18.938	ug/l	97
46) Dibromomethane	9.238	93	21878	19.906	ug/l	96
47) Bromodichloromethane	9.433	83	56125	19.685	ug/l	99
48) Methyl methacrylate	9.225	41	24303	17.371	ug/l	89
49) 1,4-Dioxane	9.250	88	5057	407.300	ug/l #	85
51) 4-Methyl-2-Pentanone	10.006	43	137346	93.564	ug/l	96
52) Toluene	10.176	92	99419	18.576	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	51804	18.618	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	60822	19.079	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	27810	19.760	ug/l	97
56) Ethyl methacrylate	10.445	69	40984	18.695	ug/l	96
57) 1,3-Dichloropropane	10.719	76	49360	19.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	83789	85.153	ug/l	97
59) 2-Hexanone	10.762	43	92372	93.853	ug/l	98
60) Dibromochloromethane	10.914	129	34432	18.849	ug/l	95
61) 1,2-Dibromoethane	11.018	107	26117	19.911	ug/l	99
64) Tetrachloroethene	10.652	164	43618	19.345	ug/l	95
65) Chlorobenzene	11.444	112	107023	19.446	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	35259	18.636	ug/l	98
67) Ethyl Benzene	11.524	91	191188	18.549	ug/l	99
68) m/p-Xylenes	11.633	106	145259	37.401	ug/l	96
69) o-Xylene	11.957	106	70051	19.064	ug/l	97
70) Styrene	11.975	104	116903	18.860	ug/l	97
71) Bromoform	12.133	173	19193	18.794	ug/l #	99
73) Isopropylbenzene	12.255	105	178443	18.889	ug/l	99
74) N-amyl acetate	12.072	43	48859	18.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	29043	19.990	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	20794m	17.999	ug/l	
77) Bromobenzene	12.536	156	38466	19.064	ug/l	99
78) n-propylbenzene	12.597	91	216752	19.022	ug/l	100
79) 2-Chlorotoluene	12.682	91	115671	18.472	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	141700	18.581	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10532	18.468	ug/l	98
82) 4-Chlorotoluene	12.780	91	116880	18.147	ug/l	97
83) tert-Butylbenzene	12.999	119	125876	18.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	140604	18.574	ug/l	98
85) sec-Butylbenzene	13.176	105	187656	18.651	ug/l	100
86) p-Isopropyltoluene	13.292	119	155183	18.338	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	77394	18.790	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	76133	19.216	ug/l	99
89) n-Butylbenzene	13.621	91	148567	18.558	ug/l	99
90) Hexachloroethane	13.883	117	31086	18.198	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	68114	19.687	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4583	19.562	ug/l	95
93) 1,2,4-Trichlorobenzene	14.926	180	37458	18.743	ug/l	99
94) Hexachlorobutadiene	15.029	225	20509	18.402	ug/l	96
95) Naphthalene	15.145	128	73842	19.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	32543	19.195	ug/l	98

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

