

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022640.D
 Acq On : 10 Jun 2025 10:56
 Operator : SY/MD
 Sample : VY0610SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0610SBS01

Quant Time: Jun 11 01:47:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Semsettin Yesilyurt 06/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	159654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	276426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	109725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92665	51.895	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.780%			
35) Dibromofluoromethane	7.640	113	86410	52.372	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.740%			
50) Toluene-d8	10.109	98	348107	52.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.407	95	97801	49.236	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	31259	21.869	ug/l	95
3) Chloromethane	2.068	50	82963	19.647	ug/l	99
4) Vinyl Chloride	2.208	62	111423	22.745	ug/l	99
5) Bromomethane	2.592	94	105687	22.509	ug/l	99
6) Chloroethane	2.732	64	81489	24.236	ug/l	95
7) Trichlorofluoromethane	3.049	101	98925	23.788	ug/l	97
8) Diethyl Ether	3.458	74	18958	20.242	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	37702	21.525	ug/l	98
10) Methyl Iodide	4.007	142	34451	18.176	ug/l	98
11) Tert butyl alcohol	4.860	59	11863m	93.017	ug/l	
12) 1,1-Dichloroethene	3.787	96	36252	21.653	ug/l	96
13) Acrolein	3.659	56	13011	81.860	ug/l	92
14) Allyl chloride	4.391	41	53270	20.268	ug/l	97
15) Acrylonitrile	5.061	53	38486	97.029	ug/l	97
16) Acetone	3.872	43	40860	112.674	ug/l	98
17) Carbon Disulfide	4.110	76	109884	20.500	ug/l	97
18) Methyl Acetate	4.391	43	21075	19.625	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	95544	20.261	ug/l	99
20) Methylene Chloride	4.616	84	40580	19.700	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	39640	21.155	ug/l	100
22) Diisopropyl ether	6.018	45	122094	20.869	ug/l	94
23) Vinyl Acetate	5.963	43	339402	98.017	ug/l	99
24) 1,1-Dichloroethane	5.915	63	74417	21.592	ug/l	98
25) 2-Butanone	6.896	43	55102	105.341	ug/l	100
26) 2,2-Dichloropropane	6.890	77	65585	21.537	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	46564	21.499	ug/l	98
28) Bromochloromethane	7.244	49	31486	20.957	ug/l	99
29) Tetrahydrofuran	7.268	42	31504	93.380	ug/l	98
30) Chloroform	7.421	83	76072	22.284	ug/l	89
31) Cyclohexane	7.707	56	66336	19.333	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	66165	21.833	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54432	20.327	ug/l	100
37) Ethyl Acetate	6.988	43	22899	19.175	ug/l	98
38) Carbon Tetrachloride	7.817	117	55944	20.365	ug/l	94
39) Methylcyclohexane	9.109	83	69318	19.262	ug/l	96
40) Benzene	8.079	78	167280	21.150	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13876	19.893	ug/l #	91
42) 1,2-Dichloroethane	8.164	62	44816	20.752	ug/l	98
43) Isopropyl Acetate	8.201	43	47971	18.600	ug/l #	86
44) Trichloroethene	8.865	130	40292	20.844	ug/l	99
45) 1,2-Dichloropropane	9.140	63	40215	21.514	ug/l	99
46) Dibromomethane	9.237	93	22390	21.291	ug/l	96
47) Bromodichloromethane	9.426	83	56123	21.048	ug/l	99
48) Methyl methacrylate	9.225	41	22929	18.943	ug/l	98
49) 1,4-Dioxane	9.231	88	4231	339.613	ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	119716	93.102	ug/l	99
52) Toluene	10.170	92	101960	20.513	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	48427	19.383	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	58179	20.005	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	27580	20.568	ug/l	97
56) Ethyl methacrylate	10.438	69	35194	18.159	ug/l	97
57) 1,3-Dichloropropane	10.719	76	49760	20.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	85318	96.960	ug/l	98
59) 2-Hexanone	10.761	43	79279	92.188	ug/l	99
60) Dibromochloromethane	10.914	129	34698	20.362	ug/l	98
61) 1,2-Dibromoethane	11.017	107	24597	20.126	ug/l	95
64) Tetrachloroethene	10.646	164	43465	21.427	ug/l	95
65) Chlorobenzene	11.444	112	106690	20.445	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	34627	19.698	ug/l	96
67) Ethyl Benzene	11.517	91	192376	19.876	ug/l	100
68) m/p-Xylenes	11.627	106	145656	39.698	ug/l	99
69) o-Xylene	11.956	106	65712	19.102	ug/l	95
70) Styrene	11.968	104	110213	19.382	ug/l	99
71) Bromoform	12.133	173	17693	18.914	ug/l #	98
73) Isopropylbenzene	12.255	105	175103	19.438	ug/l	100
74) N-amyl acetate	12.072	43	38808	17.073	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	27341	18.492	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	24171m	19.255	ug/l	
77) Bromobenzene	12.535	156	37287	19.614	ug/l	99
78) n-propylbenzene	12.596	91	217303	19.750	ug/l	100
79) 2-Chlorotoluene	12.682	91	115909	19.876	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	140110	19.811	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	8735	16.804	ug/l	97
82) 4-Chlorotoluene	12.779	91	117763	19.576	ug/l	99
83) tert-Butylbenzene	12.999	119	122978	19.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	137535	19.443	ug/l	99
85) sec-Butylbenzene	13.176	105	192035	19.753	ug/l	100
86) p-Isopropyltoluene	13.291	119	152960	19.088	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	75188	19.521	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	74781	20.018	ug/l	100
89) n-Butylbenzene	13.621	91	150124	19.746	ug/l	99
90) Hexachloroethane	13.883	117	30499	19.550	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	64919	19.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4325	20.092	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	33355	18.702	ug/l	98
94) Hexachlorobutadiene	15.023	225	19765	20.079	ug/l	96
95) Naphthalene	15.145	128	60375	17.640	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	28334	18.537	ug/l	97

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

