

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022409.D
 Acq On : 23 May 2025 16:28
 Operator : SY/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:44:02 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	7.713	168	220484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	365163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	141917	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122214	50.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.440%	
35) Dibromofluoromethane	7.646	113	116726	53.556	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.115	98	477724	53.519	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.040%	
62) 4-Bromofluorobenzene	12.407	95	137951	48.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.520%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	47450	20.625	ug/l	98
3) Chloromethane	2.068	50	116162	24.002	ug/l	97
4) Vinyl Chloride	2.208	62	136097	25.171	ug/l	96
5) Bromomethane	2.598	94	152048	34.544	ug/l	99
6) Chloroethane	2.738	64	91246	27.126	ug/l	98
7) Trichlorofluoromethane	3.055	101	125355	22.899	ug/l	98
8) Diethyl Ether	3.458	74	26297	20.016	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.817	101	54194	22.803	ug/l	98
10) Methyl Iodide	4.006	142	50705	18.434	ug/l	99
11) Tert butyl alcohol	4.884	59	18052	98.102	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	52119	22.099	ug/l	91
13) Acrolein	3.659	56	14247	52.961	ug/l	97
14) Allyl chloride	4.391	41	72531	17.539	ug/l	92
15) Acrylonitrile	5.073	53	53818	99.417	ug/l	99
16) Acetone	3.885	43	64882	143.598	ug/l	96
17) Carbon Disulfide	4.116	76	153044	19.900	ug/l	96
18) Methyl Acetate	4.403	43	22419	15.737	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	130694	20.098	ug/l	95
20) Methylene Chloride	4.622	84	57155	19.576	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	52976	20.350	ug/l	96
22) Diisopropyl ether	6.024	45	157311	18.014	ug/l	95
23) Vinyl Acetate	5.969	43	490218	92.917	ug/l	98
24) 1,1-Dichloroethane	5.921	63	97335	19.950	ug/l	99
25) 2-Butanone	6.902	43	83136	110.000	ug/l	99
26) 2,2-Dichloropropane	6.896	77	89975	20.734	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61445	20.454	ug/l	97
28) Bromochloromethane	7.250	49	41072	19.736	ug/l	96
29) Tetrahydrofuran	7.268	42	46580	95.797	ug/l	93
30) Chloroform	7.427	83	95738	20.458	ug/l	98
31) Cyclohexane	7.713	56	98151	20.135	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	89072	20.746	ug/l	99
36) 1,1-Dichloropropene	7.847	75	74413	20.729	ug/l	98
37) Ethyl Acetate	6.994	43	32944	19.073	ug/l	96
38) Carbon Tetrachloride	7.829	117	77588	20.880	ug/l	95
39) Methylcyclohexane	9.115	83	102984	21.353	ug/l	96
40) Benzene	8.091	78	215939	20.291	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	20095m	17.538	ug/l	
42) 1,2-Dichloroethane	8.164	62	56548	19.649	ug/l	97
43) Isopropyl Acetate	8.207	43	70370	18.681	ug/l	98
44) Trichloroethene	8.871	130	55056	20.806	ug/l	96
45) 1,2-Dichloropropane	9.146	63	51291	19.991	ug/l	97
46) Dibromomethane	9.237	93	28589	20.659	ug/l	99
47) Bromodichloromethane	9.426	83	71724	19.978	ug/l	100
48) Methyl methacrylate	9.231	41	30712	17.434	ug/l	88
49) 1,4-Dioxane	9.237	88	6085	389.226	ug/l	93
51) 4-Methyl-2-Pentanone	10.005	43	171509	92.790	ug/l	96
52) Toluene	10.176	92	136262	20.220	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	68682	19.603	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	79085	19.702	ug/l	94
55) 1,1,2-Trichloroethane	10.578	97	35739	20.168	ug/l	96
56) Ethyl methacrylate	10.444	69	54901	19.889	ug/l	92
57) 1,3-Dichloropropane	10.725	76	64791	20.578	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	106348	85.834	ug/l	97
59) 2-Hexanone	10.767	43	127089	102.550	ug/l	96
60) Dibromochloromethane	10.920	129	46918	20.398	ug/l	99
61) 1,2-Dibromoethane	11.023	107	34146	20.674	ug/l	99
64) Tetrachloroethene	10.652	164	59668	21.065	ug/l	99
65) Chlorobenzene	11.450	112	142059	20.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	47723	20.078	ug/l	99
67) Ethyl Benzene	11.523	91	262665	20.286	ug/l	99
68) m/p-Xylenes	11.633	106	197872	40.555	ug/l	96
69) o-Xylene	11.956	106	91898	19.908	ug/l	98
70) Styrene	11.975	104	153910	19.765	ug/l	97
71) Bromoform	12.139	173	25596	19.951	ug/l #	97
73) Isopropylbenzene	12.261	105	247301	21.034	ug/l	100
74) N-amyl acetate	12.072	43	61277	18.223	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	37759	20.883	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	29327m	20.398	ug/l	
77) Bromobenzene	12.535	156	52367	20.854	ug/l	95
78) n-propylbenzene	12.602	91	296181	20.885	ug/l	99
79) 2-Chlorotoluene	12.682	91	155703	19.979	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	191546	20.182	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	13059	18.400	ug/l	98
82) 4-Chlorotoluene	12.785	91	157322	19.626	ug/l	97
83) tert-Butylbenzene	13.005	119	175804	20.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	188374	19.994	ug/l	98
85) sec-Butylbenzene	13.182	105	266407	21.275	ug/l	100
86) p-Isopropyltoluene	13.297	119	213699	20.291	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	103478	20.186	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	100997	20.483	ug/l	99
89) n-Butylbenzene	13.621	91	210175	21.095	ug/l	98
90) Hexachloroethane	13.883	117	43322	20.378	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	88356	20.520	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5917	20.294	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	47978	19.290	ug/l	99
94) Hexachlorobutadiene	15.029	225	25900	18.673	ug/l	94
95) Naphthalene	15.151	128	86870	18.405	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	40075	18.993	ug/l	98

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

