

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022410.D
 Acq On : 23 May 2025 16:50
 Operator : SY/MD
 Sample : VY0523SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 23 23:21:23 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	215942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	364015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	310108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	143885	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121751	51.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.180%	
35) Dibromofluoromethane	7.640	113	111647	51.387	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.780%	
50) Toluene-d8	10.109	98	456658	51.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	12.408	95	133958	47.495	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	44615	19.800	ug/l	99
3) Chloromethane	2.068	50	113910	24.032	ug/l	99
4) Vinyl Chloride	2.202	62	133332	25.178	ug/l	98
5) Bromomethane	2.598	94	160681	37.273	ug/l	95
6) Chloroethane	2.733	64	102143	31.004	ug/l	96
7) Trichlorofluoromethane	3.050	101	136307	25.423	ug/l	100
8) Diethyl Ether	3.458	74	26914	20.917	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	50721	21.791	ug/l	98
10) Methyl Iodide	4.007	142	50233	18.646	ug/l	97
11) Tert butyl alcohol	4.885	59	19053	105.720	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	45905	19.874	ug/l	96
13) Acrolein	3.665	56	14554	55.240	ug/l	97
14) Allyl chloride	4.385	41	68849	16.999	ug/l	93
15) Acrylonitrile	5.067	53	53397	100.714	ug/l	98
16) Acetone	3.885	43	51609	116.624	ug/l	92
17) Carbon Disulfide	4.110	76	145040	19.256	ug/l	99
18) Methyl Acetate	4.391	43	23571	16.894	ug/l	94
19) Methyl tert-butyl Ether	5.122	73	128547	20.183	ug/l	94
20) Methylene Chloride	4.616	84	55034	19.246	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	51046	20.021	ug/l	95
22) Diisopropyl ether	6.025	45	154423	18.055	ug/l	95
23) Vinyl Acetate	5.964	43	478913	92.684	ug/l	95
24) 1,1-Dichloroethane	5.921	63	93240	19.513	ug/l	98
25) 2-Butanone	6.909	43	75621	102.161	ug/l	99
26) 2,2-Dichloropropane	6.890	77	82698	19.458	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	60410	20.533	ug/l	95
28) Bromochloromethane	7.250	49	39080	19.174	ug/l	93
29) Tetrahydrofuran	7.274	42	46494	97.632	ug/l	93
30) Chloroform	7.427	83	91951	20.062	ug/l	98
31) Cyclohexane	7.707	56	91262	19.115	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	82971	19.732	ug/l	100
36) 1,1-Dichloropropene	7.841	75	70261	19.634	ug/l	99
37) Ethyl Acetate	6.994	43	33678	19.559	ug/l	97
38) Carbon Tetrachloride	7.823	117	72463	19.562	ug/l	99
39) Methylcyclohexane	9.116	83	95930	19.953	ug/l	95
40) Benzene	8.085	78	206176	19.434	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	20771m	18.186	ug/l	
42) 1,2-Dichloroethane	8.164	62	56227	19.599	ug/l	99
43) Isopropyl Acetate	8.201	43	69023	18.381	ug/l #	84
44) Trichloroethene	8.866	130	53777	20.387	ug/l	92
45) 1,2-Dichloropropane	9.146	63	48654	19.023	ug/l	99
46) Dibromomethane	9.237	93	27615	20.018	ug/l	97
47) Bromodichloromethane	9.426	83	70365	19.662	ug/l	97
48) Methyl methacrylate	9.225	41	30525	17.382	ug/l	90
49) 1,4-Dioxane	9.244	88	6552	420.419	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	172786	93.776	ug/l	96
52) Toluene	10.176	92	127157	18.928	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	65585	18.778	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	75996	18.992	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	36548	20.689	ug/l	94
56) Ethyl methacrylate	10.445	69	52121	18.941	ug/l	95
57) 1,3-Dichloropropane	10.719	76	61767	19.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	105296	85.253	ug/l	98
59) 2-Hexanone	10.762	43	117719	95.289	ug/l	96
60) Dibromochloromethane	10.914	129	44658	19.477	ug/l	100
61) 1,2-Dibromoethane	11.018	107	32889	19.976	ug/l	100
64) Tetrachloroethene	10.652	164	56065	19.560	ug/l	95
65) Chlorobenzene	11.444	112	136439	19.502	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	45297	18.833	ug/l	98
67) Ethyl Benzene	11.524	91	245943	18.770	ug/l	99
68) m/p-Xylenes	11.633	106	186520	37.778	ug/l	97
69) o-Xylene	11.956	106	88111	18.862	ug/l	97
70) Styrene	11.975	104	146038	18.533	ug/l	98
71) Bromoform	12.133	173	24721	19.042	ug/l #	98
73) Isopropylbenzene	12.255	105	232709	19.522	ug/l	99
74) N-amyl acetate	12.072	43	61518	18.045	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	38775	21.151	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	32382m	22.214	ug/l	
77) Bromobenzene	12.536	156	49824	19.570	ug/l	96
78) n-propylbenzene	12.597	91	279878	19.466	ug/l	100
79) 2-Chlorotoluene	12.682	91	149035	18.862	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	180541	18.763	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	13733	19.084	ug/l	95
82) 4-Chlorotoluene	12.779	91	150359	18.501	ug/l	97
83) tert-Butylbenzene	12.999	119	163800	19.152	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	180298	18.876	ug/l	97
85) sec-Butylbenzene	13.176	105	250907	19.763	ug/l	99
86) p-Isopropyltoluene	13.292	119	201925	18.911	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	98161	18.887	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	95398	19.082	ug/l	98
89) n-Butylbenzene	13.621	91	192901	19.096	ug/l	99
90) Hexachloroethane	13.883	117	40452	18.768	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	83346	19.092	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5680	19.214	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	46528	18.451	ug/l	98
94) Hexachlorobutadiene	15.023	225	25477	18.116	ug/l	98
95) Naphthalene	15.145	128	91043	19.025	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38757	18.117	ug/l	100

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

