

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023049.D
 Acq On : 12 Aug 2025 14:32
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/14/2025
 Supervised By :Semsettin Yesilyurt 08/14/2025

Quant Time: Aug 13 01:09:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:08:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	590567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	940141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	773123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	355667	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	26045	4.377	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	8.760%#
35) Dibromofluoromethane	7.628	113	27760	4.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.360%#
50) Toluene-d8	10.103	98	104834	4.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	8.940%#
62) 4-Bromofluorobenzene	12.401	95	33547	4.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.000%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	28919	5.811	ug/l	92
3) Chloromethane	2.068	50	44371	5.217	ug/l	98
4) Vinyl Chloride	2.202	62	54151	5.064	ug/l	99
5) Bromomethane	2.592	94	40937	5.269	ug/l	97
6) Chloroethane	2.732	64	34730	4.869	ug/l	99
7) Trichlorofluoromethane	3.049	101	65463	5.251	ug/l	99
8) Diethyl Ether	3.452	74	17163	5.221	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	31509	4.843	ug/l	96
10) Methyl Iodide	4.000	142	29295	4.306	ug/l	98
11) Tert butyl alcohol	4.848	59	8686	23.717	ug/l #	71
12) 1,1-Dichloroethene	3.781	96	30804	4.930	ug/l	97
13) Acrolein	3.647	56	14128	57.927	ug/l	97
14) Allyl chloride	4.372	41	42148	4.459	ug/l	95
15) Acrylonitrile	5.049	53	30265	24.061	ug/l	98
16) Acetone	3.866	43	31494	27.755	ug/l	100
17) Carbon Disulfide	4.098	76	101363	5.301	ug/l	98
18) Methyl Acetate	4.378	43	14886	4.060	ug/l	93
19) Methyl tert-butyl Ether	5.104	73	69478	4.589	ug/l	99
20) Methylene Chloride	4.610	84	52950	5.243	ug/l	95
21) trans-1,2-Dichloroethene	5.104	96	32783	4.705	ug/l	93
22) Diisopropyl ether	6.012	45	87457	4.347	ug/l	91
23) Vinyl Acetate	5.957	43	234186	22.766	ug/l	99
24) 1,1-Dichloroethane	5.909	63	58625	4.651	ug/l	98
25) 2-Butanone	6.890	43	38366	24.105	ug/l	97
26) 2,2-Dichloropropane	6.878	77	53458	4.847	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	37050	4.629	ug/l	98
28) Bromochloromethane	7.238	49	22557	4.627	ug/l	94
29) Tetrahydrofuran	7.262	42	22452	22.549	ug/l	98
30) Chloroform	7.415	83	59850	4.691	ug/l	96
31) Cyclohexane	7.695	56	62294	5.289	ug/l #	85
32) 1,1,1-Trichloroethane	7.610	97	53127	4.607	ug/l	99
36) 1,1-Dichloropropene	7.829	75	44815	4.832	ug/l	98
37) Ethyl Acetate	6.988	43	15862	4.499	ug/l	99
38) Carbon Tetrachloride	7.811	117	49144	4.877	ug/l	99
39) Methylcyclohexane	9.103	83	58660	4.882	ug/l	98
40) Benzene	8.073	78	130907	4.668	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.207	41	7510	3.886	ug/l #	83
42) 1,2-Dichloroethane	8.152	62	32424	4.632	ug/l	98
43) Isopropyl Acetate	8.189	43	31834	4.577	ug/l	97
44) Trichloroethene	8.859	130	34679	4.823	ug/l	94
45) 1,2-Dichloropropane	9.134	63	29914	4.569	ug/l	98
46) Dibromomethane	9.225	93	16036	4.677	ug/l	99
47) Bromodichloromethane	9.420	83	43491	4.629	ug/l	97
48) Methyl methacrylate	9.219	41	13829	4.103	ug/l	94
49) 1,4-Dioxane	9.225	88	3660	99.834	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	74587	21.054	ug/l	99
52) Toluene	10.164	92	80069	4.580	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	36014	4.436	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	45100	4.613	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	21053	4.656	ug/l	99
56) Ethyl methacrylate	10.438	69	22720	4.014	ug/l	95
57) 1,3-Dichloropropane	10.713	76	36152	4.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	44339	16.206	ug/l	100
59) 2-Hexanone	10.755	43	51329	21.911	ug/l	97
60) Dibromochloromethane	10.908	129	27731	4.684	ug/l	97
61) 1,2-Dibromoethane	11.005	107	19141	4.640	ug/l	99
64) Tetrachloroethene	10.640	164	38947	5.057	ug/l	99
65) Chlorobenzene	11.438	112	88874	4.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	28744	4.647	ug/l	100
67) Ethyl Benzene	11.511	91	146374	4.581	ug/l	96
68) m/p-Xylenes	11.621	106	113834	9.281	ug/l	98
69) o-Xylene	11.950	106	52041	4.548	ug/l	96
70) Styrene	11.962	104	80349	4.299	ug/l	98
71) Bromoform	12.127	173	15476	4.820	ug/l #	98
73) Isopropylbenzene	12.249	105	136493	4.626	ug/l	99
74) N-amyl acetate	12.066	43	24805	4.388	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	21356	4.862	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	18012m	4.132	ug/l	
77) Bromobenzene	12.523	156	31541	4.860	ug/l	95
78) n-propylbenzene	12.590	91	164411	4.678	ug/l	99
79) 2-Chlorotoluene	12.676	91	94567	4.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	106466	4.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	6726	4.531	ug/l	95
82) 4-Chlorotoluene	12.773	91	96970	4.836	ug/l	100
83) tert-Butylbenzene	12.993	119	99825	4.735	ug/l	98
84) 1,2,4-Trimethylbenzene	13.035	105	106383	4.622	ug/l	98
85) sec-Butylbenzene	13.170	105	146405	4.645	ug/l	99
86) p-Isopropyltoluene	13.285	119	116623	4.543	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	65251	5.007	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	65517	5.172	ug/l	93
89) n-Butylbenzene	13.615	91	110812	4.678	ug/l	98
90) Hexachloroethane	13.877	117	25319	4.764	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	57262	5.175	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3480	5.323	ug/l	89
93) 1,2,4-Trichlorobenzene	14.913	180	32650	5.505	ug/l	97
94) Hexachlorobutadiene	15.017	225	20710	5.565	ug/l	96
95) Naphthalene	15.139	128	49636	5.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	27865	5.682	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

