

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022991.D
 Acq On : 18 Jul 2025 10:54
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:30:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:28:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	486665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	793912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	634272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	281482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	46989	9.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.080%#		
35) Dibromofluoromethane	7.640	113	47940	9.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.040%#		
50) Toluene-d8	10.103	98	191385	9.583	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.160%#		
62) 4-Bromofluorobenzene	12.402	95	56048	8.915	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	17.840%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	44400	10.745	ug/l	97
3) Chloromethane	2.068	50	72344	10.296	ug/l	98
4) Vinyl Chloride	2.202	62	91411	10.269	ug/l	100
5) Bromomethane	2.592	94	64771	10.082	ug/l	98
6) Chloroethane	2.733	64	61053	10.269	ug/l	98
7) Trichlorofluoromethane	3.050	101	106798	10.335	ug/l	97
8) Diethyl Ether	3.452	74	26530	9.809	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	55150	10.159	ug/l	98
10) Methyl Iodide	4.007	142	52773	9.358	ug/l	97
11) Tert butyl alcohol	4.848	59	14081	47.002	ug/l	96
12) 1,1-Dichloroethene	3.787	96	52948	10.239	ug/l	95
13) Acrolein	3.653	56	8925	66.092	ug/l	93
14) Allyl chloride	4.379	41	75202	9.545	ug/l	99
15) Acrylonitrile	5.061	53	43540	42.502	ug/l	97
16) Acetone	3.867	43	44190	49.482	ug/l	91
17) Carbon Disulfide	4.104	76	158034	10.083	ug/l	99
18) Methyl Acetate	4.391	43	24878	8.228	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	111411	8.982	ug/l	95
20) Methylene Chloride	4.616	84	101278	9.348	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	55587	9.657	ug/l	91
22) Diisopropyl ether	6.019	45	155004	9.274	ug/l	95
23) Vinyl Acetate	5.958	43	373434	44.343	ug/l	100
24) 1,1-Dichloroethane	5.915	63	103495	9.859	ug/l	98
25) 2-Butanone	6.890	43	57204	44.650	ug/l	97
26) 2,2-Dichloropropane	6.878	77	90050	9.787	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	63030	9.501	ug/l	99
28) Bromochloromethane	7.244	49	38094	9.356	ug/l	98
29) Tetrahydrofuran	7.262	42	33741	41.597	ug/l	99
30) Chloroform	7.421	83	104738	9.890	ug/l	91
31) Cyclohexane	7.701	56	98453	10.037	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	94990	9.886	ug/l	99
36) 1,1-Dichloropropene	7.835	75	76035	9.585	ug/l	99
37) Ethyl Acetate	6.982	43	27491m	9.331	ug/l	
38) Carbon Tetrachloride	7.817	117	84148	9.764	ug/l	99
39) Methylcyclohexane	9.103	83	96640	9.412	ug/l	96
40) Benzene	8.079	78	225702	9.450	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16608m	10.680	ug/l	
42) 1,2-Dichloroethane	8.158	62	54251	9.130	ug/l	98
43) Isopropyl Acetate	8.195	43	49891	8.525	ug/l #	85
44) Trichloroethene	8.866	130	59337	9.672	ug/l	99
45) 1,2-Dichloropropane	9.140	63	51870	9.300	ug/l	97
46) Dibromomethane	9.231	93	25659	8.900	ug/l	97
47) Bromodichloromethane	9.420	83	73468	9.219	ug/l	96
48) Methyl methacrylate	9.219	41	23583	8.347	ug/l	97
49) 1,4-Dioxane	9.225	88	5158	169.729	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	123354	41.528	ug/l	98
52) Toluene	10.170	92	137786	9.279	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	59746	8.734	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	73674	8.935	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	33848	8.933	ug/l	95
56) Ethyl methacrylate	10.439	69	38473	8.133	ug/l	97
57) 1,3-Dichloropropane	10.713	76	58102	8.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	92984	40.157	ug/l	98
59) 2-Hexanone	10.756	43	79059	40.492	ug/l	100
60) Dibromochloromethane	10.908	129	43711	8.809	ug/l	99
61) 1,2-Dibromoethane	11.012	107	30636	8.903	ug/l	99
64) Tetrachloroethene	10.646	164	68560	10.575	ug/l	99
65) Chlorobenzene	11.438	112	146007	9.755	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	48542	9.509	ug/l	100
67) Ethyl Benzene	11.518	91	247552	9.331	ug/l	100
68) m/p-Xylenes	11.627	106	186725	18.350	ug/l	99
69) o-Xylene	11.950	106	86193	9.127	ug/l	100
70) Styrene	11.969	104	137633	8.898	ug/l	99
71) Bromoform	12.127	173	23193	8.949	ug/l #	98
73) Isopropylbenzene	12.249	105	229285	9.608	ug/l	100
74) N-amyl acetate	12.066	43	39921	8.873	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	31610	9.153	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	33738m	9.523	ug/l	
77) Bromobenzene	12.530	156	48601	9.390	ug/l	98
78) n-propylbenzene	12.591	91	273348	9.618	ug/l	100
79) 2-Chlorotoluene	12.676	91	154267	9.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	178551	9.486	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	10642	9.037	ug/l	97
82) 4-Chlorotoluene	12.774	91	154131	9.561	ug/l	98
83) tert-Butylbenzene	12.993	119	157733	9.277	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	172262	9.297	ug/l	100
85) sec-Butylbenzene	13.170	105	242143	9.504	ug/l	100
86) p-Isopropyltoluene	13.286	119	190964	9.229	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	97707	9.354	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	96650	9.564	ug/l	97
89) n-Butylbenzene	13.615	91	176599	9.249	ug/l	99
90) Hexachloroethane	13.877	117	40137	9.369	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	81887	9.294	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4700	9.166	ug/l	95
93) 1,2,4-Trichlorobenzene	14.913	180	40871	8.800	ug/l	99
94) Hexachlorobutadiene	15.017	225	27714	9.465	ug/l	98
95) Naphthalene	15.139	128	59039	7.926	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	33923	8.846	ug/l	99

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

