

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022491.D
 Acq On : 02 Jun 2025 11:46
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l	
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l #	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l	99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l	95
44) Trichloroethene	8.872	130	10404	4.292	ug/l	79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l	100
46) Dibromomethane	9.244	93	5596	4.223	ug/l	95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l	96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l	91
49) 1,4-Dioxane	9.231	88	1356m	85.767	ug/l	
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l	98
52) Toluene	10.170	92	25893	4.150	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l	98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l	94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l	97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l	94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l	94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l	100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l	95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l	94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l	96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l	99
69) o-Xylene	11.956	106	16866	4.075	ug/l	95
70) Styrene	11.975	104	26313	3.840	ug/l	99
71) Bromoform	12.133	173	4649	4.159	ug/l #	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l	100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432	ug/l	
77) Bromobenzene	12.536	156	9241	4.234	ug/l	95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l	98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l	96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l	99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l	100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l	99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l	91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l	100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l	95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l	98
95) Naphthalene	15.145	128	15167	3.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l	99

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

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