

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022421.D
 Acq On : 27 May 2025 08:50
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	266668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	453411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	366267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13513	4.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.620%#
35) Dibromofluoromethane	7.640	113	13007	4.898	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.800%#
50) Toluene-d8	10.115	98	52564	4.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.720%#
62) 4-Bromofluorobenzene	12.408	95	17111	5.226	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	10.460%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	14514	5.705	ug/l	97
3) Chloromethane	2.068	50	36383	5.814	ug/l	99
4) Vinyl Chloride	2.208	62	40931	5.384	ug/l	100
5) Bromomethane	2.604	94	33633	4.868	ug/l	95
6) Chloroethane	2.739	64	24812	4.994	ug/l	99
7) Trichlorofluoromethane	3.062	101	33151	5.168	ug/l	96
8) Diethyl Ether	3.464	74	7356	4.974	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	14725	5.233	ug/l	98
10) Methyl Iodide	4.013	142	13178	4.151	ug/l	96
11) Tert butyl alcohol	4.872	59	4995m	25.228	ug/l	
12) 1,1-Dichloroethene	3.799	96	14718	5.268	ug/l	94
13) Acrolein	3.665	56	6888	23.219	ug/l #	77
14) Allyl chloride	4.397	41	20931	4.980	ug/l	95
15) Acrylonitrile	5.080	53	14224	23.859	ug/l	96
16) Acetone	3.885	43	12519	27.123	ug/l #	89
17) Carbon Disulfide	4.110	76	44596	5.002	ug/l	96
18) Methyl Acetate	4.391	43	7671	4.437	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	36078	4.864	ug/l	98
20) Methylene Chloride	4.622	84	20751	6.367	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	15870	5.203	ug/l	91
22) Diisopropyl ether	6.025	45	45596	4.916	ug/l	95
23) Vinyl Acetate	5.970	43	129326	24.282	ug/l	99
24) 1,1-Dichloroethane	5.927	63	26673	4.866	ug/l	97
25) 2-Butanone	6.909	43	18294	23.799	ug/l	97
26) 2,2-Dichloropropane	6.896	77	24997	5.037	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	17459	4.944	ug/l	97
28) Bromochloromethane	7.250	49	10658	4.657	ug/l #	98
29) Tetrahydrofuran	7.274	42	12618	24.613	ug/l	99
30) Chloroform	7.433	83	25766	4.771	ug/l	99
31) Cyclohexane	7.713	56	32546	6.024	ug/l #	81
32) 1,1,1-Trichloroethane	7.622	97	23999	4.896	ug/l	99
36) 1,1-Dichloropropene	7.847	75	21399	5.079	ug/l	98
37) Ethyl Acetate	6.988	43	8953	5.000	ug/l	97
38) Carbon Tetrachloride	7.829	117	21453	4.888	ug/l	99
39) Methylcyclohexane	9.115	83	27716	4.948	ug/l	98
40) Benzene	8.085	78	59324	4.732	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	5545m	2.353	ug/l	
42) 1,2-Dichloroethane	8.164	62	15776	4.764	ug/l	98
43) Isopropyl Acetate	8.201	43	18244	4.662	ug/l	98
44) Trichloroethene	8.872	130	15132	4.882	ug/l	87
45) 1,2-Dichloropropane	9.146	63	14536	4.935	ug/l	95
46) Dibromomethane	9.237	93	8142	4.948	ug/l	94
47) Bromodichloromethane	9.426	83	20477	4.839	ug/l	94
48) Methyl methacrylate	9.225	41	8390	4.619	ug/l	95
49) 1,4-Dioxane	9.256	88	1711	94.135	ug/l #	80
51) 4-Methyl-2-Pentanone	10.006	43	42047	21.778	ug/l	95
52) Toluene	10.176	92	35452	4.527	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	18117	4.596	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	21634	4.671	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	9913	4.765	ug/l	92
56) Ethyl methacrylate	10.444	69	12714	4.258	ug/l	94
57) 1,3-Dichloropropane	10.725	76	17193	4.689	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.719	63	32506	21.845	ug/l	96
59) 2-Hexanone	10.768	43	27506	21.739	ug/l	99
60) Dibromochloromethane	10.914	129	11708	4.405	ug/l	95
61) 1,2-Dibromoethane	11.024	107	9019	4.739	ug/l	99
64) Tetrachloroethene	10.652	164	15876	5.090	ug/l	94
65) Chlorobenzene	11.444	112	37368	4.785	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	11929	4.508	ug/l	95
67) Ethyl Benzene	11.524	91	66757	4.603	ug/l	96
68) m/p-Xylenes	11.633	106	51109	9.296	ug/l	96
69) o-Xylene	11.956	106	23941	4.633	ug/l	98
70) Styrene	11.975	104	37982	4.414	ug/l	98
71) Bromoform	12.139	173	6180	4.459	ug/l #	99
73) Isopropylbenzene	12.255	105	62701	4.908	ug/l	99
74) N-amyl acetate	12.072	43	14329	4.584	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	10107	5.021	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	7617m	2.848	ug/l	
77) Bromobenzene	12.536	156	13050	4.747	ug/l	98
78) n-propylbenzene	12.597	91	74444	4.856	ug/l	100
79) 2-Chlorotoluene	12.682	91	41511	5.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	47346	4.743	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	3492	4.857	ug/l	97
82) 4-Chlorotoluene	12.779	91	41039	4.801	ug/l	97
83) tert-Butylbenzene	12.999	119	44656	4.951	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	47206	4.699	ug/l	98
85) sec-Butylbenzene	13.182	105	65492	4.897	ug/l	100
86) p-Isopropyltoluene	13.298	119	51853	4.643	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	25760	4.657	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	25910	4.899	ug/l	92
89) n-Butylbenzene	13.621	91	50178	4.792	ug/l	98
90) Hexachloroethane	13.883	117	11019	4.958	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	22457	4.860	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1667	5.360	ug/l	82
93) 1,2,4-Trichlorobenzene	14.925	180	11591	4.525	ug/l	96
94) Hexachlorobutadiene	15.029	225	6893	5.128	ug/l	97
95) Naphthalene	15.151	128	20065	4.237	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	9338	4.445	ug/l	96

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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

