

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY052725

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	177242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135927	50.905	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.800%
35) Dibromofluoromethane	7.634	113	126788	50.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.840%
50) Toluene-d8	10.109	98	516469	50.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.408	95	155747	50.731	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	103680	42.867	ug/l	98
3) Chloromethane	2.068	50	343646	57.762	ug/l	96
4) Vinyl Chloride	2.202	62	378150	52.322	ug/l	99
5) Bromomethane	2.598	94	378531	57.634	ug/l	100
6) Chloroethane	2.733	64	272398	57.677	ug/l	99
7) Trichlorofluoromethane	3.050	101	341076	55.933	ug/l	98
8) Diethyl Ether	3.458	74	74240	52.801	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	125740	47.001	ug/l	99
10) Methyl Iodide	4.007	142	147302	48.805	ug/l	100
11) Tert butyl alcohol	4.891	59	53913	286.443	ug/l	98
12) 1,1-Dichloroethene	3.787	96	129146	48.624	ug/l	96
13) Acrolein	3.653	56	75220	266.723	ug/l	100
14) Allyl chloride	4.385	41	206704	51.736	ug/l	99
15) Acrylonitrile	5.061	53	157491	277.887	ug/l	100
16) Acetone	3.885	43	127318	290.164	ug/l	93
17) Carbon Disulfide	4.110	76	422273	49.820	ug/l	100
18) Methyl Acetate	4.385	43	98344	59.833	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	376709	53.423	ug/l	99
20) Methylene Chloride	4.616	84	147382	47.566	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	149045	51.401	ug/l	96
22) Diisopropyl ether	6.025	45	453438	51.423	ug/l	98
23) Vinyl Acetate	5.964	43	1330055	262.697	ug/l	100
24) 1,1-Dichloroethane	5.915	63	270725	51.958	ug/l	99
25) 2-Butanone	6.896	43	208354	285.123	ug/l	98
26) 2,2-Dichloropropane	6.890	77	238523	50.556	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	171895	51.208	ug/l	99
28) Bromochloromethane	7.250	49	114068	52.427	ug/l	99
29) Tetrahydrofuran	7.268	42	136796	280.691	ug/l	99
30) Chloroform	7.427	83	263982	51.416	ug/l	99
31) Cyclohexane	7.701	56	228904	44.566	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	234335	50.290	ug/l	98
36) 1,1-Dichloropropene	7.835	75	198705	50.295	ug/l	99
37) Ethyl Acetate	6.988	43	91969	54.775	ug/l	98
38) Carbon Tetrachloride	7.823	117	204881	49.782	ug/l	99
39) Methylcyclohexane	9.109	83	253073	48.189	ug/l	99
40) Benzene	8.079	78	609847	51.876	ug/l	98

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41) Methacrylonitrile	7.220	41	49200m	48.279	ug/l	
42) 1,2-Dichloroethane	8.158	62	162203	52.242	ug/l	99
43) Isopropyl Acetate	8.201	43	199246	54.305	ug/l	99
44) Trichloroethene	8.866	130	151238	52.041	ug/l	98
45) 1,2-Dichloropropane	9.146	63	140797	50.975	ug/l	100
46) Dibromomethane	9.231	93	81139	52.586	ug/l	99
47) Bromodichloromethane	9.426	83	205314	51.745	ug/l	99
48) Methyl methacrylate	9.225	41	95846	56.276	ug/l	97
49) 1,4-Dioxane	9.244	88	17918	1051.366	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	519609	287.032	ug/l	100
52) Toluene	10.170	92	387936	52.832	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	199925	54.094	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	228509	52.618	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	103722	53.168	ug/l	99
56) Ethyl methacrylate	10.438	69	156757	55.994	ug/l	100
57) 1,3-Dichloropropane	10.719	76	180948	52.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	362054	259.493	ug/l	100
59) 2-Hexanone	10.762	43	347563	292.964	ug/l	99
60) Dibromochloromethane	10.914	129	133735	53.666	ug/l	99
61) 1,2-Dibromoethane	11.018	107	96584	54.130	ug/l	98
64) Tetrachloroethene	10.646	164	153515	48.564	ug/l	95
65) Chlorobenzene	11.444	112	409198	51.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	137345	51.219	ug/l	100
67) Ethyl Benzene	11.524	91	749047	50.971	ug/l	98
68) m/p-Xylenes	11.633	106	571164	102.513	ug/l	100
69) o-Xylene	11.957	106	268131	51.205	ug/l	100
70) Styrene	11.969	104	456865	52.397	ug/l	100
71) Bromoform	12.133	173	73628	52.420	ug/l #	98
73) Isopropylbenzene	12.255	105	698311	50.060	ug/l	100
74) N-amyl acetate	12.072	43	182818	53.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117150	53.303	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	93352m	52.582	ug/l	
77) Bromobenzene	12.536	156	151539	50.481	ug/l	98
78) n-propylbenzene	12.597	91	853326	50.973	ug/l	99
79) 2-Chlorotoluene	12.682	91	455944	50.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	559964	51.376	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	40088	51.064	ug/l	98
82) 4-Chlorotoluene	12.780	91	475462	50.944	ug/l	100
83) tert-Butylbenzene	12.999	119	505382	51.321	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	562945	51.325	ug/l	100
85) sec-Butylbenzene	13.176	105	755958	51.763	ug/l	99
86) p-Isopropyltoluene	13.292	119	638231	52.334	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	310435	51.396	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	298140	51.622	ug/l	100
89) n-Butylbenzene	13.615	91	601455	52.600	ug/l	100
90) Hexachloroethane	13.883	117	125908	51.881	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255789	50.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17817	52.462	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	146574	52.407	ug/l	98
94) Hexachlorobutadiene	15.023	225	76816	52.335	ug/l	97
95) Naphthalene	15.145	128	283477	54.826	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	123635	53.900	ug/l	98

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

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