

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021666.D
 Acq On : 27 Mar 2025 15:00
 Operator : SY/MD
 Sample : VY0327SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBSD01

Quant Time: Mar 28 03:59:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	232252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	328035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	164640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129513	51.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.634	113	122132	50.568	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.140%			
50) Toluene-d8	10.103	98	469390	51.086	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.408	95	159069	51.183	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	48791	20.268	ug/l	99
3) Chloromethane	2.068	50	68271	20.169	ug/l	97
4) Vinyl Chloride	2.202	62	75378	19.691	ug/l	99
5) Bromomethane	2.592	94	52342	20.048	ug/l	98
6) Chloroethane	2.732	64	50999	20.360	ug/l	96
7) Trichlorofluoromethane	3.056	101	95945	19.566	ug/l	99
8) Diethyl Ether	3.458	74	25387	19.037	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	52062	20.130	ug/l	100
10) Methyl Iodide	4.001	142	52439	18.482	ug/l	99
11) Tert butyl alcohol	4.854	59	14706	89.975	ug/l	98
12) 1,1-Dichloroethene	3.787	96	47269	19.404	ug/l	95
13) Acrolein	3.647	56	27469	92.041	ug/l	97
14) Allyl chloride	4.385	41	77644	19.990	ug/l	99
15) Acrylonitrile	5.055	53	52164	93.684	ug/l	99
16) Acetone	3.866	43	48063	93.325	ug/l	100
17) Carbon Disulfide	4.104	76	158153	19.710	ug/l	98
18) Methyl Acetate	4.385	43	23466	18.385	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	115053	18.970	ug/l	97
20) Methylene Chloride	4.616	84	57497	20.537	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	53471	19.935	ug/l	99
22) Diisopropyl ether	6.018	45	165737	20.341	ug/l	98
23) Vinyl Acetate	5.957	43	463138	97.164	ug/l	100
24) 1,1-Dichloroethane	5.915	63	97753	20.064	ug/l	98
25) 2-Butanone	6.896	43	68739	93.448	ug/l	100
26) 2,2-Dichloropropane	6.884	77	84849	19.578	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	61876	20.513	ug/l	96
28) Bromochloromethane	7.244	49	40861	19.886	ug/l	99
29) Tetrahydrofuran	7.262	42	43436	91.750	ug/l	99
30) Chloroform	7.421	83	100128	19.759	ug/l	98
31) Cyclohexane	7.701	56	86177	19.404	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	88474	19.317	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72676	19.756	ug/l	99
37) Ethyl Acetate	6.982	43	32149	18.517	ug/l	99
38) Carbon Tetrachloride	7.817	117	81677	19.385	ug/l	98
39) Methylcyclohexane	9.109	83	86879	19.769	ug/l	98
40) Benzene	8.079	78	216171	19.622	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	18701m	20.283	ug/l	
42) 1,2-Dichloroethane	8.158	62	60860	19.595	ug/l	99
43) Isopropyl Acetate	8.195	43	59922	18.213	ug/l	98
44) Trichloroethene	8.866	130	55661	19.829	ug/l	96
45) 1,2-Dichloropropane	9.140	63	51637	19.801	ug/l	97
46) Dibromomethane	9.231	93	29265	19.472	ug/l	94
47) Bromodichloromethane	9.426	83	76792	19.719	ug/l	98
48) Methyl methacrylate	9.219	41	27619	18.290	ug/l	98
49) 1,4-Dioxane	9.231	88	6410	398.133	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	153733	89.788	ug/l	99
52) Toluene	10.170	92	138476	20.146	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	66412	19.200	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	78242	19.174	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	37197	19.232	ug/l	97
56) Ethyl methacrylate	10.438	69	47265	19.139	ug/l	97
57) 1,3-Dichloropropane	10.719	76	62665	18.761	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	115948	96.242	ug/l	99
59) 2-Hexanone	10.762	43	103192	90.497	ug/l	100
60) Dibromochloromethane	10.908	129	50528	19.135	ug/l	100
61) 1,2-Dibromoethane	11.018	107	34895	19.233	ug/l	98
64) Tetrachloroethene	10.646	164	59459	19.902	ug/l	98
65) Chlorobenzene	11.444	112	147478	19.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	51767	19.403	ug/l	99
67) Ethyl Benzene	11.517	91	254629	19.747	ug/l	99
68) m/p-Xylenes	11.627	106	194225	39.335	ug/l	98
69) o-Xylene	11.956	106	90365	19.826	ug/l	98
70) Styrene	11.969	104	151292	19.908	ug/l	99
71) Bromoform	12.133	173	28892	18.985	ug/l #	99
73) Isopropylbenzene	12.255	105	238083	19.470	ug/l	99
74) N-amyl acetate	12.072	43	52180	18.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40453	18.400	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	31024m	19.010	ug/l	
77) Bromobenzene	12.530	156	57925	19.729	ug/l	97
78) n-propylbenzene	12.597	91	297608	20.243	ug/l	100
79) 2-Chlorotoluene	12.682	91	170873	20.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	202211	20.233	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13175	18.601	ug/l	99
82) 4-Chlorotoluene	12.779	91	178523	20.054	ug/l	100
83) tert-Butylbenzene	12.999	119	175516	19.717	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	201672	20.417	ug/l	98
85) sec-Butylbenzene	13.176	105	261271	20.084	ug/l	99
86) p-Isopropyltoluene	13.292	119	220548	20.512	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	115428	19.955	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	115889	20.278	ug/l	99
89) n-Butylbenzene	13.615	91	200386	20.152	ug/l	100
90) Hexachloroethane	13.883	117	46080	19.557	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	100799	20.018	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5947	17.452	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	56258	20.602	ug/l	100
94) Hexachlorobutadiene	15.023	225	36091	21.162	ug/l	98
95) Naphthalene	15.145	128	85805	18.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	47143	20.245	ug/l	99

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

