

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022932.D
 Acq On : 03 Jul 2025 10:52
 Operator : SY/MD
 Sample : VY0703SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBS01

Quant Time: Jul 04 03:16:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	382336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	650649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	546920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	258886	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	222174	52.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.120%	
35) Dibromofluoromethane	7.634	113	209763	53.012	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.103	98	818789	52.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.402	95	247766	49.086	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.180%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	71015	21.721	ug/l	98
3) Chloromethane	2.068	50	129617	20.762	ug/l	100
4) Vinyl Chloride	2.208	62	158271	20.292	ug/l	99
5) Bromomethane	2.592	94	130393	21.266	ug/l	97
6) Chloroethane	2.733	64	109070	20.804	ug/l	100
7) Trichlorofluoromethane	3.056	101	168355	19.494	ug/l	96
8) Diethyl Ether	3.452	74	44979	21.087	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	89054	22.564	ug/l	99
10) Methyl Iodide	4.007	142	99699	23.202	ug/l	100
11) Tert butyl alcohol	4.866	59	25834	91.047	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	84313	21.786	ug/l	96
13) Acrolein	3.653	56	28950	75.242	ug/l	97
14) Allyl chloride	4.385	41	131004	22.008	ug/l	94
15) Acrylonitrile	5.061	53	95476	107.281	ug/l	100
16) Acetone	3.873	43	124182	153.968	ug/l	93
17) Carbon Disulfide	4.104	76	269595	21.564	ug/l	99
18) Methyl Acetate	4.391	43	48344	18.099	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	219540	20.834	ug/l	98
20) Methylene Chloride	4.616	84	120786	23.714	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	95277	21.541	ug/l	98
22) Diisopropyl ether	6.019	45	296144	22.402	ug/l	98
23) Vinyl Acetate	5.964	43	804293	110.164	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176830	22.146	ug/l	98
25) 2-Butanone	6.896	43	145379	123.847	ug/l	93
26) 2,2-Dichloropropane	6.884	77	153451	22.926	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	110129	21.428	ug/l	98
28) Bromochloromethane	7.250	49	74575	22.215	ug/l	98
29) Tetrahydrofuran	7.262	42	78379	105.742	ug/l	94
30) Chloroform	7.421	83	181514	22.071	ug/l	96
31) Cyclohexane	7.701	56	161763	22.070	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	157141	22.111	ug/l	99
36) 1,1-Dichloropropene	7.835	75	129854	21.650	ug/l	99
37) Ethyl Acetate	6.988	43	55569	21.471	ug/l	99
38) Carbon Tetrachloride	7.817	117	136357	21.547	ug/l	98
39) Methylcyclohexane	9.110	83	167950	21.638	ug/l	96
40) Benzene	8.079	78	396991	21.528	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	29897	18.764	ug/l	99
42) 1,2-Dichloroethane	8.158	62	108867	21.544	ug/l	98
43) Isopropyl Acetate	8.201	43	109026	20.268	ug/l	98
44) Trichloroethene	8.866	130	98350	21.243	ug/l	100
45) 1,2-Dichloropropane	9.140	63	93588	21.685	ug/l	97
46) Dibromomethane	9.231	93	51270	20.927	ug/l	98
47) Bromodichloromethane	9.420	83	134734	21.326	ug/l	98
48) Methyl methacrylate	9.219	41	50587	19.562	ug/l	94
49) 1,4-Dioxane	9.231	88	10297	355.737	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	279168	102.128	ug/l	98
52) Toluene	10.170	92	243898	20.965	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	115867	20.384	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	138161	20.962	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	65717	20.715	ug/l	97
56) Ethyl methacrylate	10.439	69	82386	19.302	ug/l	97
57) 1,3-Dichloropropane	10.719	76	115983	20.955	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	207967	102.555	ug/l	99
59) 2-Hexanone	10.762	43	205289	110.462	ug/l	100
60) Dibromochloromethane	10.908	129	84165	20.539	ug/l	99
61) 1,2-Dibromoethane	11.012	107	60272	20.302	ug/l	96
64) Tetrachloroethene	10.646	164	104589	20.243	ug/l	98
65) Chlorobenzene	11.438	112	256042	21.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	85567	21.022	ug/l	99
67) Ethyl Benzene	11.518	91	451113	21.365	ug/l	100
68) m/p-Xylenes	11.627	106	346962	42.508	ug/l	99
69) o-Xylene	11.950	106	160665	20.890	ug/l	100
70) Styrene	11.969	104	263569	20.459	ug/l	100
71) Bromoform	12.127	173	44773	19.755	ug/l #	98
73) Isopropylbenzene	12.249	105	414807	21.665	ug/l	99
74) N-amyl acetate	12.066	43	90982	21.170	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	69314	22.463	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	49532m	18.741	ug/l	
77) Bromobenzene	12.530	156	91505	21.085	ug/l	99
78) n-propylbenzene	12.591	91	513518	22.214	ug/l	99
79) 2-Chlorotoluene	12.676	91	286917	21.968	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	334039	21.612	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22246	21.264	ug/l	99
82) 4-Chlorotoluene	12.773	91	288633	21.040	ug/l	100
83) tert-Butylbenzene	12.993	119	300178	22.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	332334	21.476	ug/l	100
85) sec-Butylbenzene	13.176	105	451959	22.037	ug/l	100
86) p-Isopropyltoluene	13.292	119	361791	21.198	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	182047	20.887	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	179256	20.704	ug/l	99
89) n-Butylbenzene	13.615	91	345010	21.491	ug/l	100
90) Hexachloroethane	13.877	117	76103	22.388	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	156252	20.343	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10658	20.367	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	83643	19.287	ug/l	99
94) Hexachlorobutadiene	15.023	225	49956	20.371	ug/l	98
95) Naphthalene	15.145	128	138984	17.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	70866	18.911	ug/l	99

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

