

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022513.D
 Acq On : 03 Jun 2025 11:15
 Operator : SY/MD
 Sample : VY0603SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBS01

Quant Time: Jun 04 04:09:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	197612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	337632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110445	49.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.940%		
35) Dibromofluoromethane	7.634	113	102818	51.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.040%		
50) Toluene-d8	10.109	98	418973	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.900%		
62) 4-Bromofluorobenzene	12.407	95	118916	49.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39051	22.073	ug/l	95
3) Chloromethane	2.074	50	96334	18.431	ug/l	98
4) Vinyl Chloride	2.208	62	126140	20.803	ug/l	96
5) Bromomethane	2.592	94	117107	20.151	ug/l	98
6) Chloroethane	2.732	64	88804	21.338	ug/l	96
7) Trichlorofluoromethane	3.049	101	114182	22.182	ug/l	99
8) Diethyl Ether	3.458	74	24346	21.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	46051	21.242	ug/l	99
10) Methyl Iodide	4.007	142	43818	18.677	ug/l	100
11) Tert butyl alcohol	4.872	59	15349	97.233	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	43949	21.208	ug/l	95
13) Acrolein	3.653	56	20560	104.508	ug/l	97
14) Allyl chloride	4.391	41	67413	20.722	ug/l	98
15) Acrylonitrile	5.067	53	48448	98.683	ug/l	98
16) Acetone	3.872	43	64637	144.004	ug/l	97
17) Carbon Disulfide	4.110	76	138205	20.831	ug/l	100
18) Methyl Acetate	4.391	43	27356	20.581	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	118612	20.321	ug/l	96
20) Methylene Chloride	4.616	84	47160	18.497	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	47664	20.551	ug/l	98
22) Diisopropyl ether	6.018	45	150165	20.737	ug/l	95
23) Vinyl Acetate	5.963	43	425369	99.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	90453	21.203	ug/l	98
25) 2-Butanone	6.902	43	76024	117.421	ug/l	90
26) 2,2-Dichloropropane	6.884	77	81323	21.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55057	20.538	ug/l	97
28) Bromochloromethane	7.244	49	39559	21.273	ug/l	96
29) Tetrahydrofuran	7.262	42	40474	96.924	ug/l	100
30) Chloroform	7.427	83	88966	21.055	ug/l	94
31) Cyclohexane	7.701	56	85871	20.219	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79604	21.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66890	20.451	ug/l	99
37) Ethyl Acetate	6.994	43	28280	19.388	ug/l	97
38) Carbon Tetrachloride	7.817	117	67799	20.206	ug/l	95
39) Methylcyclohexane	9.109	83	87053	19.805	ug/l	98
40) Benzene	8.085	78	200164	20.720	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	15933	18.701	ug/l	96
42) 1,2-Dichloroethane	8.158	62	53923	20.443	ug/l	99
43) Isopropyl Acetate	8.201	43	60985	19.359	ug/l #	87
44) Trichloroethene	8.865	130	50394	21.344	ug/l	95
45) 1,2-Dichloropropane	9.146	63	47626	20.860	ug/l	99
46) Dibromomethane	9.231	93	24877	19.368	ug/l	97
47) Bromodichloromethane	9.426	83	67673	20.778	ug/l	95
48) Methyl methacrylate	9.225	41	27658	18.707	ug/l	96
49) 1,4-Dioxane	9.237	88	5752	378.003	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	150751	95.984	ug/l	100
52) Toluene	10.170	92	122301	20.145	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	60125	19.703	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	73109	20.581	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	33009	20.154	ug/l	95
56) Ethyl methacrylate	10.438	69	44052	18.609	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57905	19.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	104791	97.502	ug/l	99
59) 2-Hexanone	10.761	43	113080	107.655	ug/l	99
60) Dibromochloromethane	10.908	129	41162	19.776	ug/l	99
61) 1,2-Dibromoethane	11.017	107	30056	20.134	ug/l	95
64) Tetrachloroethene	10.646	164	51847	21.203	ug/l	99
65) Chlorobenzene	11.444	112	127590	20.283	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.517	131	42827	20.210	ug/l	99
67) Ethyl Benzene	11.517	91	236274	20.251	ug/l	99
68) m/p-Xylenes	11.627	106	177595	40.152	ug/l	99
69) o-Xylene	11.956	106	83043	20.025	ug/l	99
70) Styrene	11.969	104	136395	19.898	ug/l	99
71) Bromoform	12.133	173	21024	18.644	ug/l #	99
73) Isopropylbenzene	12.255	105	218088	20.130	ug/l	100
74) N-amyl acetate	12.072	43	51955	19.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33056	18.590	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	27133m	17.973	ug/l	
77) Bromobenzene	12.529	156	44250	19.355	ug/l	95
78) n-propylbenzene	12.596	91	268379	20.282	ug/l	100
79) 2-Chlorotoluene	12.682	91	140839	20.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	169137	19.885	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12442	19.903	ug/l	92
82) 4-Chlorotoluene	12.779	91	144089	19.916	ug/l	100
83) tert-Butylbenzene	12.999	119	155396	20.356	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	167992	19.747	ug/l	100
85) sec-Butylbenzene	13.176	105	234207	20.032	ug/l	100
86) p-Isopropyltoluene	13.291	119	188849	19.596	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	89632	19.350	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	89737	19.974	ug/l	100
89) n-Butylbenzene	13.615	91	183570	20.077	ug/l	100
90) Hexachloroethane	13.883	117	38158	20.338	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	77708	19.759	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4880	18.850	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	40402	18.836	ug/l	97
94) Hexachlorobutadiene	15.023	225	23265	19.652	ug/l	99
95) Naphthalene	15.145	128	74961	18.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	35695	19.418	ug/l	99

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

