

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022501.D
 Acq On : 02 Jun 2025 16:47
 Operator : SY/MD
 Sample : VY0602SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0602SBS01

Quant Time: Jun 03 04:07:23 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 :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	196193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	287481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110773	50.482	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.634	113	98543	48.841	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.680%			
50) Toluene-d8	10.109	98	399844	49.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.408	95	118036	48.594	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39417	22.441	ug/l	94
3) Chloromethane	2.068	50	124999	24.088	ug/l	98
4) Vinyl Chloride	2.202	62	140737	23.379	ug/l	97
5) Bromomethane	2.592	94	142424	24.684	ug/l	100
6) Chloroethane	2.732	64	100549	24.335	ug/l	96
7) Trichlorofluoromethane	3.050	101	126599	24.773	ug/l	100
8) Diethyl Ether	3.452	74	24269	21.087	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	45152	20.978	ug/l	98
10) Methyl Iodide	4.001	142	44020	18.899	ug/l	98
11) Tert butyl alcohol	4.891	59	17443	111.297	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	44437	21.599	ug/l	93
13) Acrolein	3.659	56	22305	114.198	ug/l	100
14) Allyl chloride	4.385	41	67134	20.785	ug/l	99
15) Acrylonitrile	5.061	53	52472	107.653	ug/l	99
16) Acetone	3.885	43	39907	89.551	ug/l	98
17) Carbon Disulfide	4.104	76	137936	20.941	ug/l	100
18) Methyl Acetate	4.391	43	32495	24.624	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	125468	21.651	ug/l	95
20) Methylene Chloride	4.616	84	53642	21.191	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	49067	21.309	ug/l	95
22) Diisopropyl ether	6.025	45	152651	21.233	ug/l	100
23) Vinyl Acetate	5.964	43	435001	102.229	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89454	21.121	ug/l	100
25) 2-Butanone	6.896	43	67139	104.448	ug/l	100
26) 2,2-Dichloropropane	6.884	77	75078	20.063	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	55528	20.863	ug/l	98
28) Bromochloromethane	7.244	49	36439	19.737	ug/l	97
29) Tetrahydrofuran	7.268	42	43756	105.541	ug/l	99
30) Chloroform	7.427	83	88147	21.012	ug/l	96
31) Cyclohexane	7.707	56	86476	20.509	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	78140	20.983	ug/l	100
36) 1,1-Dichloropropene	7.835	75	65798	20.093	ug/l	99
37) Ethyl Acetate	6.988	43	31322	21.449	ug/l	98
38) Carbon Tetrachloride	7.817	117	67385	20.059	ug/l	96
39) Methylcyclohexane	9.109	83	89683	20.380	ug/l	97
40) Benzene	8.079	78	200517	20.732	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16802	19.698	ug/l	97
42) 1,2-Dichloroethane	8.164	62	55456	20.999	ug/l	98
43) Isopropyl Acetate	8.201	43	64322	20.394	ug/l	98
44) Trichloroethene	8.866	130	49684	21.018	ug/l	95
45) 1,2-Dichloropropane	9.140	63	48003	21.001	ug/l	99
46) Dibromomethane	9.231	93	26735	20.790	ug/l	98
47) Bromodichloromethane	9.426	83	68349	20.961	ug/l	100
48) Methyl methacrylate	9.219	41	30620	20.686	ug/l	98
49) 1,4-Dioxane	9.237	88	6664	437.419	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	166415	105.833	ug/l	99
52) Toluene	10.170	92	122294	20.120	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	62566	20.479	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	73072	20.546	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	34764	21.201	ug/l	97
56) Ethyl methacrylate	10.438	69	49167	20.746	ug/l	99
57) 1,3-Dichloropropane	10.719	76	60562	20.838	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	112978	104.995	ug/l	99
59) 2-Hexanone	10.762	43	106422	101.197	ug/l	98
60) Dibromochloromethane	10.914	129	43440	20.846	ug/l	99
61) 1,2-Dibromoethane	11.018	107	32243	21.574	ug/l	96
64) Tetrachloroethene	10.646	164	51419	20.793	ug/l	96
65) Chlorobenzene	11.444	112	130705	20.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	43609	20.349	ug/l	98
67) Ethyl Benzene	11.518	91	234567	19.880	ug/l	99
68) m/p-Xylenes	11.627	106	176263	39.406	ug/l	99
69) o-Xylene	11.956	106	82412	19.651	ug/l	98
70) Styrene	11.969	104	137247	19.798	ug/l	99
71) Bromoform	12.133	173	23020	20.186	ug/l #	96
73) Isopropylbenzene	12.255	105	216831	19.747	ug/l	99
74) N-amyl acetate	12.072	43	54999	19.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37674	20.905	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28318m	18.507	ug/l	
77) Bromobenzene	12.530	156	45498	19.635	ug/l	96
78) n-propylbenzene	12.597	91	266604	19.879	ug/l	100
79) 2-Chlorotoluene	12.682	91	143147	20.138	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	173489	20.125	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12086	19.075	ug/l	96
82) 4-Chlorotoluene	12.779	91	145853	19.891	ug/l	99
83) tert-Butylbenzene	12.999	119	156156	20.182	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	169667	19.678	ug/l	100
85) sec-Butylbenzene	13.176	105	238367	20.116	ug/l	100
86) p-Isopropyltoluene	13.292	119	192867	19.746	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	92940	19.796	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	90240	19.818	ug/l	98
89) n-Butylbenzene	13.615	91	184971	19.960	ug/l	100
90) Hexachloroethane	13.877	117	37732	19.843	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	81168	20.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5912	22.532	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	45467	20.914	ug/l	97
94) Hexachlorobutadiene	15.023	225	24770	20.644	ug/l	97
95) Naphthalene	15.139	128	87505	20.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38378	20.599	ug/l	97

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

