

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022024.D
 Acq On : 28 Apr 2025 12:02
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:52:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	304169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	466723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	430101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	228742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134757	47.964	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.634	113	154321	50.049	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.100%		
50) Toluene-d8	10.109	98	584198	50.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.520%		
62) 4-Bromofluorobenzene	12.408	95	190988	48.805	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	50071	19.319	ug/l	99
3) Chloromethane	2.068	50	75523	20.464	ug/l	99
4) Vinyl Chloride	2.202	62	89253	19.681	ug/l	99
5) Bromomethane	2.592	94	78860	20.184	ug/l	98
6) Chloroethane	2.733	64	59730	19.339	ug/l	100
7) Trichlorofluoromethane	3.056	101	116596	19.497	ug/l	99
8) Diethyl Ether	3.458	74	29171	18.741	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	64955	20.023	ug/l	99
10) Methyl Iodide	4.007	142	75267	20.039	ug/l	99
11) Tert butyl alcohol	4.891	59	14577	94.507	ug/l	97
12) 1,1-Dichloroethene	3.787	96	59292	19.609	ug/l	97
13) Acrolein	3.653	56	22266	80.430	ug/l	98
14) Allyl chloride	4.385	41	67052	19.044	ug/l	99
15) Acrylonitrile	5.062	53	53919	94.624	ug/l	99
16) Acetone	3.879	43	38691	91.684	ug/l	93
17) Carbon Disulfide	4.104	76	188646	19.567	ug/l	100
18) Methyl Acetate	4.385	43	26710	20.352	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	128448	18.979	ug/l	96
20) Methylene Chloride	4.616	84	69565	19.581	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	67846	20.035	ug/l	98
22) Diisopropyl ether	6.019	45	155156	19.802	ug/l	95
23) Vinyl Acetate	5.958	43	405051	95.923	ug/l	99
24) 1,1-Dichloroethane	5.909	63	107232	19.744	ug/l	97
25) 2-Butanone	6.897	43	58420	91.221	ug/l	97
26) 2,2-Dichloropropane	6.884	77	95545	20.072	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	74270	19.614	ug/l	99
28) Bromochloromethane	7.244	49	40803	19.342	ug/l	97
29) Tetrahydrofuran	7.268	42	39499	94.962	ug/l	99
30) Chloroform	7.421	83	123555	20.510	ug/l	99
31) Cyclohexane	7.701	56	87525	18.845	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	109955	20.174	ug/l	99
36) 1,1-Dichloropropene	7.835	75	84266	20.345	ug/l	99
37) Ethyl Acetate	6.988	43	30066	20.212	ug/l	97
38) Carbon Tetrachloride	7.817	117	98021	19.805	ug/l	96
39) Methylcyclohexane	9.110	83	96942	18.599	ug/l	94
40) Benzene	8.079	78	264687	20.443	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	14950	18.385	ug/l #	94
42) 1,2-Dichloroethane	8.159	62	65978	20.582	ug/l	100
43) Isopropyl Acetate	8.201	43	55391	19.390	ug/l #	85
44) Trichloroethene	8.866	130	73456	20.483	ug/l	96
45) 1,2-Dichloropropane	9.140	63	57855	20.206	ug/l	99
46) Dibromomethane	9.232	93	36507	20.368	ug/l	99
47) Bromodichloromethane	9.427	83	91869	20.518	ug/l	98
48) Methyl methacrylate	9.219	41	24736	18.731	ug/l	96
49) 1,4-Dioxane	9.244	88	7623	399.035	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	144427	96.444	ug/l	100
52) Toluene	10.170	92	173484	20.700	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	76364	19.883	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	91935	20.137	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	50233	20.981	ug/l	98
56) Ethyl methacrylate	10.439	69	50325	18.381	ug/l	97
57) 1,3-Dichloropropane	10.719	76	77135	20.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	127764	95.443	ug/l	98
59) 2-Hexanone	10.762	43	94218	95.387	ug/l	97
60) Dibromochloromethane	10.908	129	67301	20.304	ug/l	100
61) 1,2-Dibromoethane	11.012	107	46692	20.658	ug/l	97
64) Tetrachloroethene	10.646	164	83023	20.462	ug/l	98
65) Chlorobenzene	11.445	112	191323	19.892	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	69613	20.558	ug/l	99
67) Ethyl Benzene	11.518	91	310207	19.716	ug/l	99
68) m/p-Xylenes	11.627	106	253033	40.415	ug/l	99
69) o-Xylene	11.957	106	114827	19.899	ug/l	100
70) Styrene	11.969	104	195808	20.210	ug/l	100
71) Bromoform	12.133	173	40476	20.560	ug/l #	100
73) Isopropylbenzene	12.255	105	298757	19.549	ug/l	99
74) N-amyl acetate	12.072	43	47258	17.999	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	50760	19.701	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	36880m	18.823	ug/l	
77) Bromobenzene	12.530	156	78665	20.371	ug/l	97
78) n-propylbenzene	12.597	91	361182	19.846	ug/l	100
79) 2-Chlorotoluene	12.682	91	209164	19.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	249733	19.833	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15459	19.001	ug/l	99
82) 4-Chlorotoluene	12.780	91	223135	20.280	ug/l	100
83) tert-Butylbenzene	12.999	119	219359	19.424	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	251831	19.995	ug/l	100
85) sec-Butylbenzene	13.176	105	324017	19.608	ug/l	99
86) p-Isopropyltoluene	13.292	119	277280	19.760	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	157100	20.030	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	158444	20.398	ug/l	99
89) n-Butylbenzene	13.615	91	237857	18.964	ug/l	99
90) Hexachloroethane	13.877	117	60454	19.609	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	137294	20.070	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7886	19.238	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	74907	19.324	ug/l	99
94) Hexachlorobutadiene	15.023	225	48192	20.206	ug/l	96
95) Naphthalene	15.145	128	113791	17.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	65284	19.510	ug/l	98

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

