

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY022000.D
 Acq On : 25 Apr 2025 11:08
 Operator : SY/MD
 Sample : VY0425SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0425SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/28/2025
 Supervised By : Mahesh Dadoda 04/28/2025

Quant Time: Apr 25 22:54:45 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	294229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	451474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	221118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134539	49.504	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.634	113	148255	49.705	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.420%		
50) Toluene-d8	10.103	98	568405	50.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.408	95	187029	49.408	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.820%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	50842	20.279	ug/l	100
3) Chloromethane	2.068	50	75819	21.239	ug/l	99
4) Vinyl Chloride	2.202	62	88730	20.226	ug/l	98
5) Bromomethane	2.592	94	79137	20.939	ug/l	97
6) Chloroethane	2.733	64	58292	19.511	ug/l	99
7) Trichlorofluoromethane	3.056	101	115428	19.954	ug/l	92
8) Diethyl Ether	3.458	74	29760	19.766	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	62673	19.972	ug/l	98
10) Methyl Iodide	4.001	142	71201	19.597	ug/l	98
11) Tert butyl alcohol	4.879	59	14742	98.806	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	58695	20.067	ug/l	97
13) Acrolein	3.659	56	24777	92.524	ug/l	100
14) Allyl chloride	4.385	41	66393	19.494	ug/l	99
15) Acrylonitrile	5.061	53	55968	101.538	ug/l	98
16) Acetone	3.879	43	39180	97.073	ug/l	89
17) Carbon Disulfide	4.104	76	186068	19.951	ug/l	100
18) Methyl Acetate	4.391	43	26954	21.232	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	126128	19.266	ug/l	99
20) Methylene Chloride	4.610	84	64503	18.770	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64530	19.699	ug/l	96
22) Diisopropyl ether	6.025	45	153923	20.309	ug/l	98
23) Vinyl Acetate	5.964	43	401374	98.263	ug/l	100
24) 1,1-Dichloroethane	5.909	63	104626	19.915	ug/l	99
25) 2-Butanone	6.896	43	59334	95.778	ug/l	92
26) 2,2-Dichloropropane	6.884	77	93054	20.209	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	72883	19.898	ug/l	99
28) Bromochloromethane	7.244	49	41130	20.156	ug/l	99
29) Tetrahydrofuran	7.262	42	40330	100.236	ug/l	99
30) Chloroform	7.421	83	119790	20.556	ug/l	95
31) Cyclohexane	7.701	56	85331	18.994	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	106025	20.110	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79289	19.790	ug/l	100
37) Ethyl Acetate	6.988	43	29451	20.467	ug/l	98
38) Carbon Tetrachloride	7.823	117	97142	20.291	ug/l	98
39) Methylcyclohexane	9.109	83	96290	19.098	ug/l	94
40) Benzene	8.079	78	254944	20.356	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15472	19.669	ug/l	96
42) 1,2-Dichloroethane	8.158	62	64440	20.781	ug/l	98
43) Isopropyl Acetate	8.195	43	55826	20.202	ug/l	100
44) Trichloroethene	8.866	130	69556	20.051	ug/l	98
45) 1,2-Dichloropropane	9.140	63	58109	20.980	ug/l	94
46) Dibromomethane	9.231	93	35040	20.210	ug/l	99
47) Bromodichloromethane	9.427	83	89250	20.606	ug/l	96
48) Methyl methacrylate	9.225	41	27000	21.136	ug/l	96
49) 1,4-Dioxane	9.238	88	7262	392.978	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	147564	101.867	ug/l	100
52) Toluene	10.170	92	166943	20.592	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	75155	20.229	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	89674	20.305	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	47903	20.684	ug/l	97
56) Ethyl methacrylate	10.439	69	49804	18.805	ug/l	98
57) 1,3-Dichloropropane	10.719	76	75521	20.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	125742	97.105	ug/l	98
59) 2-Hexanone	10.762	43	97078	101.602	ug/l	97
60) Dibromochloromethane	10.908	129	66762	20.821	ug/l	99
61) 1,2-Dibromoethane	11.018	107	44679	20.435	ug/l	98
64) Tetrachloroethene	10.646	164	78049	19.909	ug/l	100
65) Chlorobenzene	11.438	112	187115	20.135	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66971	20.470	ug/l	99
67) Ethyl Benzene	11.518	91	297845	19.592	ug/l	98
68) m/p-Xylenes	11.627	106	241306	39.890	ug/l	100
69) o-Xylene	11.957	106	109986	19.727	ug/l	100
70) Styrene	11.969	104	189605	20.254	ug/l	98
71) Bromoform	12.133	173	38831	20.414	ug/l #	100
73) Isopropylbenzene	12.255	105	286167	19.371	ug/l	99
74) N-amyl acetate	12.072	43	48469	19.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	49840	20.011	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	37506m	19.803	ug/l	
77) Bromobenzene	12.530	156	75997	20.359	ug/l	99
78) n-propylbenzene	12.597	91	345732	19.652	ug/l	99
79) 2-Chlorotoluene	12.676	91	204791	20.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	241789	19.864	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15016	19.092	ug/l	98
82) 4-Chlorotoluene	12.780	91	214249	20.144	ug/l	99
83) tert-Butylbenzene	12.999	119	210171	19.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	242206	19.894	ug/l	100
85) sec-Butylbenzene	13.176	105	313607	19.632	ug/l	100
86) p-Isopropyltoluene	13.292	119	263989	19.462	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	151560	19.990	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	150022	19.979	ug/l	100
89) n-Butylbenzene	13.615	91	232205	19.152	ug/l	98
90) Hexachloroethane	13.877	117	59612	20.002	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	135026	20.419	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7596	19.169	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	72834	19.437	ug/l	98
94) Hexachlorobutadiene	15.023	225	45479	19.726	ug/l	98
95) Naphthalene	15.145	128	115009	18.476	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	63584	19.657	ug/l	98

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

