

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021964.D
 Acq On : 23 Apr 2025 11:07
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 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	295173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	458305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	417679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140165	51.409	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.634	113	156093	51.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.109	98	593014	51.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.408	95	194614	50.645	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	49150	19.542	ug/l	97
3) Chloromethane	2.068	50	79531	22.207	ug/l	97
4) Vinyl Chloride	2.202	62	90607	20.588	ug/l	99
5) Bromomethane	2.592	94	91439	24.116	ug/l	98
6) Chloroethane	2.733	64	64520	21.526	ug/l	98
7) Trichlorofluoromethane	3.056	101	123323	21.251	ug/l	100
8) Diethyl Ether	3.458	74	29720	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	64570	20.511	ug/l	99
10) Methyl Iodide	4.001	142	65818	18.058	ug/l	99
11) Tert butyl alcohol	4.885	59	14597	97.521	ug/l	95
12) 1,1-Dichloroethene	3.787	96	59875	20.405	ug/l	97
13) Acrolein	3.659	56	27435	102.123	ug/l	99
14) Allyl chloride	4.385	41	66968	19.600	ug/l	99
15) Acrylonitrile	5.067	53	55987	101.248	ug/l	99
16) Acetone	3.879	43	38541	94.730	ug/l	92
17) Carbon Disulfide	4.104	76	192526	20.578	ug/l	98
18) Methyl Acetate	4.385	43	27554	21.635	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	131102	19.962	ug/l	96
20) Methylene Chloride	4.616	84	67092	19.461	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65708	19.995	ug/l	95
22) Diisopropyl ether	6.019	45	156652	20.603	ug/l	93
23) Vinyl Acetate	5.964	43	410600	100.200	ug/l	99
24) 1,1-Dichloroethane	5.915	63	106508	20.209	ug/l	99
25) 2-Butanone	6.896	43	59906	96.392	ug/l	100
26) 2,2-Dichloropropane	6.890	77	94723	20.506	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	74706	20.331	ug/l	99
28) Bromochloromethane	7.244	49	41102	20.078	ug/l	95
29) Tetrahydrofuran	7.262	42	40959	101.473	ug/l	100
30) Chloroform	7.421	83	120714	20.649	ug/l	96
31) Cyclohexane	7.701	56	88058	19.538	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	106943	20.220	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81879	20.132	ug/l	99
37) Ethyl Acetate	6.988	43	29318	20.071	ug/l	98
38) Carbon Tetrachloride	7.817	117	100138	20.605	ug/l	97
39) Methylcyclohexane	9.109	83	98332	19.212	ug/l	96
40) Benzene	8.079	78	263532	20.728	ug/l	99

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 Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15367	19.245	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	65165	20.702	ug/l	100
43) Isopropyl Acetate	8.201	43	55377	19.741	ug/l	99
44) Trichloroethene	8.866	130	71222	20.225	ug/l	99
45) 1,2-Dichloropropane	9.140	63	57685	20.517	ug/l	99
46) Dibromomethane	9.231	93	36042	20.478	ug/l	99
47) Bromodichloromethane	9.426	83	90955	20.687	ug/l	96
48) Methyl methacrylate	9.219	41	27965	21.565	ug/l	95
49) 1,4-Dioxane	9.244	88	7517	400.714	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	150808	102.554	ug/l	99
52) Toluene	10.170	92	170967	20.774	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	75065	19.904	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	92666	20.670	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	48596	20.670	ug/l	97
56) Ethyl methacrylate	10.438	69	52604	19.566	ug/l	99
57) 1,3-Dichloropropane	10.719	76	76673	20.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	134039	101.970	ug/l	100
59) 2-Hexanone	10.762	43	97696	100.725	ug/l	95
60) Dibromochloromethane	10.914	129	66379	20.393	ug/l	98
61) 1,2-Dibromoethane	11.018	107	45815	20.642	ug/l	99
64) Tetrachloroethene	10.646	164	80494	20.429	ug/l	98
65) Chlorobenzene	11.444	112	188396	20.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	68045	20.693	ug/l	98
67) Ethyl Benzene	11.518	91	302678	19.810	ug/l	99
68) m/p-Xylenes	11.627	106	245304	40.346	ug/l	99
69) o-Xylene	11.956	106	110797	19.772	ug/l	99
70) Styrene	11.969	104	188948	20.082	ug/l	99
71) Bromoform	12.133	173	38634	20.208	ug/l #	99
73) Isopropylbenzene	12.255	105	290429	19.616	ug/l	99
74) N-amyl acetate	12.072	43	48649	19.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52798	21.152	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	39256m	20.681	ug/l	
77) Bromobenzene	12.536	156	73923	19.760	ug/l	97
78) n-propylbenzene	12.597	91	357207	20.260	ug/l	100
79) 2-Chlorotoluene	12.682	91	204453	19.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	244632	20.054	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14911	18.917	ug/l	93
82) 4-Chlorotoluene	12.779	91	218007	20.453	ug/l	99
83) tert-Butylbenzene	12.999	119	210516	19.242	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	244676	20.053	ug/l	100
85) sec-Butylbenzene	13.176	105	318306	19.883	ug/l	100
86) p-Isopropyltoluene	13.292	119	265758	19.549	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	149215	19.638	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	150139	19.951	ug/l	99
89) n-Butylbenzene	13.621	91	234544	19.302	ug/l	98
90) Hexachloroethane	13.883	117	59491	19.918	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	133741	20.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8096	20.386	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	70613	18.803	ug/l	99
94) Hexachlorobutadiene	15.023	225	43918	19.007	ug/l	98
95) Naphthalene	15.145	128	110434	17.702	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	61606	19.004	ug/l	97

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

