

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021989.D
 Acq On : 24 Apr 2025 09:35
 Operator : SY/MD
 Sample : VY0424SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 01:22:42 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	301364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	465636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	427023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	228899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136501	49.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.080%		
35) Dibromofluoromethane	7.634	113	150138	48.806	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.620%		
50) Toluene-d8	10.109	98	575047	49.584	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.160%		
62) 4-Bromofluorobenzene	12.408	95	189843	48.626	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48645	18.943	ug/l	98
3) Chloromethane	2.068	50	74986	20.508	ug/l	98
4) Vinyl Chloride	2.202	62	89036	19.816	ug/l	99
5) Bromomethane	2.592	94	85915	22.194	ug/l	96
6) Chloroethane	2.733	64	60460	19.757	ug/l	100
7) Trichlorofluoromethane	3.056	101	119887	20.234	ug/l	99
8) Diethyl Ether	3.452	74	28967	18.784	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	62824	19.546	ug/l	99
10) Methyl Iodide	4.007	142	70533	18.954	ug/l	97
11) Tert butyl alcohol	4.879	59	15319	100.242	ug/l #	82
12) 1,1-Dichloroethene	3.787	96	57710	19.263	ug/l	97
13) Acrolein	3.653	56	26219	95.591	ug/l	100
14) Allyl chloride	4.385	41	65441	18.760	ug/l	100
15) Acrylonitrile	5.061	53	56096	99.361	ug/l	98
16) Acetone	3.885	43	40034	96.785	ug/l	99
17) Carbon Disulfide	4.104	76	189114	19.798	ug/l	98
18) Methyl Acetate	4.391	43	25442	19.566	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	126359	18.844	ug/l	98
20) Methylene Chloride	4.616	84	65067	18.486	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	64766	19.303	ug/l	97
22) Diisopropyl ether	6.019	45	150085	19.333	ug/l	94
23) Vinyl Acetate	5.964	43	410087	98.019	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102107	18.976	ug/l #	95
25) 2-Butanone	6.897	43	63105	99.453	ug/l	97
26) 2,2-Dichloropropane	6.884	77	92320	19.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	71623	19.091	ug/l	100
28) Bromochloromethane	7.244	49	41560	19.884	ug/l	99
29) Tetrahydrofuran	7.268	42	40352	97.916	ug/l	95
30) Chloroform	7.421	83	116975	19.598	ug/l	99
31) Cyclohexane	7.701	56	88549	19.243	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	105471	19.532	ug/l	100
36) 1,1-Dichloropropene	7.835	75	82094	19.867	ug/l	98
37) Ethyl Acetate	6.988	43	29954	20.183	ug/l	99
38) Carbon Tetrachloride	7.817	117	98232	19.894	ug/l	96
39) Methylcyclohexane	9.110	83	99017	19.041	ug/l	95
40) Benzene	8.079	78	254804	19.726	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	16888	20.816	ug/l #	79
42) 1,2-Dichloroethane	8.159	62	63796	19.948	ug/l	100
43) Isopropyl Acetate	8.201	43	57431	20.151	ug/l	96
44) Trichloroethene	8.866	130	69178	19.335	ug/l	93
45) 1,2-Dichloropropane	9.140	63	54970	19.243	ug/l	96
46) Dibromomethane	9.231	93	35427	19.812	ug/l	98
47) Bromodichloromethane	9.427	83	88053	19.711	ug/l	98
48) Methyl methacrylate	9.225	41	25646	19.465	ug/l	98
49) 1,4-Dioxane	9.238	88	7821	410.355	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	151958	101.709	ug/l	99
52) Toluene	10.170	92	166470	19.909	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	73995	19.311	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	88738	19.482	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	47450	19.865	ug/l	98
56) Ethyl methacrylate	10.439	69	50919	18.641	ug/l	96
57) 1,3-Dichloropropane	10.719	76	76895	20.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	133534	99.987	ug/l	98
59) 2-Hexanone	10.762	43	100143	101.622	ug/l	95
60) Dibromochloromethane	10.914	129	65458	19.794	ug/l	99
61) 1,2-Dibromoethane	11.012	107	44063	19.540	ug/l	99
64) Tetrachloroethene	10.646	164	77636	19.272	ug/l	97
65) Chlorobenzene	11.445	112	183545	19.221	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	64193	19.094	ug/l	99
67) Ethyl Benzene	11.518	91	298182	19.088	ug/l	99
68) m/p-Xylenes	11.627	106	241488	38.849	ug/l	99
69) o-Xylene	11.957	106	109137	19.049	ug/l	98
70) Styrene	11.969	104	183016	19.025	ug/l	100
71) Bromoform	12.133	173	38363	19.627	ug/l #	100
73) Isopropylbenzene	12.255	105	284253	18.587	ug/l	100
74) N-amyl acetate	12.072	43	47815	18.198	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	51132	19.831	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	38565m	19.670	ug/l	
77) Bromobenzene	12.536	156	73190	18.940	ug/l	98
78) n-propylbenzene	12.597	91	346929	19.049	ug/l	99
79) 2-Chlorotoluene	12.682	91	200178	18.900	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	238754	18.948	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15264	18.748	ug/l	98
82) 4-Chlorotoluene	12.780	91	212435	19.295	ug/l	100
83) tert-Butylbenzene	12.999	119	209626	18.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	238581	18.930	ug/l	100
85) sec-Butylbenzene	13.176	105	312777	18.914	ug/l	100
86) p-Isopropyltoluene	13.292	119	264903	18.865	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	144309	18.387	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	146523	18.850	ug/l	99
89) n-Butylbenzene	13.621	91	229275	18.267	ug/l	99
90) Hexachloroethane	13.883	117	57227	18.549	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	128733	18.806	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7626	18.591	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	70019	18.050	ug/l	99
94) Hexachlorobutadiene	15.023	225	44345	18.580	ug/l	98
95) Naphthalene	15.145	128	111088	17.239	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	59300	17.709	ug/l	100

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

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