

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021918.D
 Acq On : 18 Apr 2025 09:50
 Operator : SY/MD
 Sample : VY0418SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0418SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/21/2025
 Supervised By :Semsettin Yesilyurt 04/21/2025

Quant Time: Apr 19 01:07:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	188924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	257747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102977	50.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.620%			
35) Dibromofluoromethane	7.634	113	99012	54.056	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.120%			
50) Toluene-d8	10.109	98	374945	53.808	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.620%			
62) 4-Bromofluorobenzene	12.408	95	126246	53.563	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	35016	17.882	ug/l	99
3) Chloromethane	2.068	50	56851	20.647	ug/l	99
4) Vinyl Chloride	2.202	62	59445	19.090	ug/l	99
5) Bromomethane	2.592	94	46719	21.998	ug/l	98
6) Chloroethane	2.726	64	41790	20.510	ug/l	99
7) Trichlorofluoromethane	3.056	101	84774	21.252	ug/l	98
8) Diethyl Ether	3.452	74	20151	18.576	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	44096	20.960	ug/l	97
10) Methyl Iodide	4.007	142	40905	17.723	ug/l	99
11) Tert butyl alcohol	4.872	59	11445m	86.082	ug/l	
12) 1,1-Dichloroethene	3.793	96	38425	19.391	ug/l	88
13) Acrolein	3.653	56	9388	38.671	ug/l	98
14) Allyl chloride	4.385	41	59257	18.755	ug/l	99
15) Acrylonitrile	5.067	53	44376	97.975	ug/l	99
16) Acetone	3.872	43	38201	91.188	ug/l	100
17) Carbon Disulfide	4.104	76	115946	17.764	ug/l	99
18) Methyl Acetate	4.391	43	23539	22.671	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	91019	18.449	ug/l	96
20) Methylene Chloride	4.616	84	44703	19.443	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	42533	19.494	ug/l	91
22) Diisopropyl ether	6.018	45	130723	19.723	ug/l	94
23) Vinyl Acetate	5.964	43	346747	89.429	ug/l	100
24) 1,1-Dichloroethane	5.915	63	78690	19.855	ug/l	99
25) 2-Butanone	6.896	43	53623	89.617	ug/l	96
26) 2,2-Dichloropropane	6.884	77	69845	19.812	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	48615	19.813	ug/l	95
28) Bromochloromethane	7.238	49	34228	20.479	ug/l	99
29) Tetrahydrofuran	7.268	42	34993	90.868	ug/l	99
30) Chloroform	7.421	83	83269	20.201	ug/l	100
31) Cyclohexane	7.701	56	67795	18.766	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	74410	19.973	ug/l	97
36) 1,1-Dichloropropene	7.835	75	57673	20.672	ug/l	98
37) Ethyl Acetate	6.988	43	25727	19.539	ug/l	100
38) Carbon Tetrachloride	7.817	117	70531	22.073	ug/l	93
39) Methylcyclohexane	9.109	83	67702	20.314	ug/l	98
40) Benzene	8.079	78	174208	20.851	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13800	19.735	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	49487	21.010	ug/l	99
43) Isopropyl Acetate	8.195	43	48766	19.544	ug/l	97
44) Trichloroethene	8.865	130	46200	21.702	ug/l	98
45) 1,2-Dichloropropane	9.140	63	41999	21.236	ug/l	100
46) Dibromomethane	9.231	93	23727	20.817	ug/l	98
47) Bromodichloromethane	9.426	83	62576	21.188	ug/l	99
48) Methyl methacrylate	9.219	41	22398	19.558	ug/l	98
49) 1,4-Dioxane	9.243	88	5187	424.812	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	130552	100.541	ug/l	98
52) Toluene	10.170	92	113315	21.738	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	53380	20.348	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	61606	19.907	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31474	21.458	ug/l	98
56) Ethyl methacrylate	10.438	69	35394	18.898	ug/l	99
57) 1,3-Dichloropropane	10.719	76	52530	20.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	98384	107.680	ug/l	100
59) 2-Hexanone	10.761	43	84047	97.189	ug/l	99
60) Dibromochloromethane	10.908	129	42827	21.385	ug/l	99
61) 1,2-Dibromoethane	11.018	107	28026	20.368	ug/l	92
64) Tetrachloroethene	10.646	164	53234	22.677	ug/l	96
65) Chlorobenzene	11.444	112	120857	20.455	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	43364	20.686	ug/l	98
67) Ethyl Benzene	11.517	91	201418	19.880	ug/l	99
68) m/p-Xylenes	11.627	106	157413	40.574	ug/l	99
69) o-Xylene	11.956	106	72718	20.305	ug/l	96
70) Styrene	11.969	104	121793	20.397	ug/l	99
71) Bromoform	12.133	173	25446	21.280	ug/l #	99
73) Isopropylbenzene	12.255	105	192619	18.956	ug/l	98
74) N-amyl acetate	12.072	43	40477	16.973	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33497	18.335	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	28271m	20.847	ug/l	
77) Bromobenzene	12.536	156	47543	19.487	ug/l	99
78) n-propylbenzene	12.597	91	239363	19.593	ug/l	99
79) 2-Chlorotoluene	12.682	91	138128	19.467	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	161921	19.497	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10606	18.020	ug/l	99
82) 4-Chlorotoluene	12.779	91	145903	19.723	ug/l	100
83) tert-Butylbenzene	12.999	119	140805	19.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	162342	19.778	ug/l	99
85) sec-Butylbenzene	13.176	105	215333	19.919	ug/l	100
86) p-Isopropyltoluene	13.292	119	176944	19.804	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	95285	19.823	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	95360	20.080	ug/l	96
89) n-Butylbenzene	13.621	91	159599	19.315	ug/l	100
90) Hexachloroethane	13.883	117	38838	19.836	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	85931	20.536	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5351	18.898	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	44239	19.496	ug/l	100
94) Hexachlorobutadiene	15.023	225	30262	21.354	ug/l	96
95) Naphthalene	15.145	128	68058	18.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	38832	20.068	ug/l	98

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

