

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021938.D
 Acq On : 21 Apr 2025 10:41
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0421SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 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	184070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	287552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100790	50.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.634	113	96856	51.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.103	98	363518	51.227	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.408	95	123704	51.538	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	32394	16.979	ug/l	97
3) Chloromethane	2.068	50	50522	18.833	ug/l	99
4) Vinyl Chloride	2.202	62	55965	18.447	ug/l	97
5) Bromomethane	2.586	94	41971	20.283	ug/l	93
6) Chloroethane	2.733	64	37510	18.894	ug/l	95
7) Trichlorofluoromethane	3.056	101	72971	18.776	ug/l	99
8) Diethyl Ether	3.452	74	20104	19.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	38813	18.935	ug/l	96
10) Methyl Iodide	4.001	142	41463	18.438	ug/l	100
11) Tert butyl alcohol	4.866	59	12393	95.671	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	36226	18.763	ug/l	92
13) Acrolein	3.653	56	8171	34.545	ug/l	98
14) Allyl chloride	4.385	41	57136	18.561	ug/l	99
15) Acrylonitrile	5.055	53	45221	102.473	ug/l	98
16) Acetone	3.866	43	39229	96.111	ug/l	98
17) Carbon Disulfide	4.098	76	109809	17.268	ug/l	100
18) Methyl Acetate	4.385	43	25467	25.175	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	93476	19.446	ug/l	98
20) Methylene Chloride	4.616	84	44779	20.108	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	41282	19.420	ug/l	96
22) Diisopropyl ether	6.019	45	130558	20.218	ug/l	97
23) Vinyl Acetate	5.958	43	347021	91.860	ug/l	97
24) 1,1-Dichloroethane	5.915	63	78896	20.432	ug/l	97
25) 2-Butanone	6.896	43	56743	97.332	ug/l	95
26) 2,2-Dichloropropane	6.878	77	68052	19.813	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	48008	20.082	ug/l	98
28) Bromochloromethane	7.244	49	33682	20.683	ug/l	97
29) Tetrahydrofuran	7.262	42	36657	97.699	ug/l	99
30) Chloroform	7.421	83	82100	20.442	ug/l	100
31) Cyclohexane	7.701	56	60265	17.121	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	72317	19.923	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54350	19.130	ug/l	98
37) Ethyl Acetate	6.982	43	26109	19.472	ug/l	100
38) Carbon Tetrachloride	7.817	117	65041	19.987	ug/l	99
39) Methylcyclohexane	9.109	83	58586	17.261	ug/l	98
40) Benzene	8.079	78	172193	20.238	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	13327	18.715	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	48744	20.321	ug/l	98
43) Isopropyl Acetate	8.195	43	50459	19.858	ug/l	100
44) Trichloroethene	8.866	130	44112	20.348	ug/l	97
45) 1,2-Dichloropropane	9.140	63	41044	20.379	ug/l	94
46) Dibromomethane	9.231	93	23846	20.544	ug/l	98
47) Bromodichloromethane	9.420	83	62196	20.679	ug/l	98
48) Methyl methacrylate	9.219	41	22425	19.229	ug/l	99
49) 1,4-Dioxane	9.231	88	5044	405.650	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	136330	103.097	ug/l	100
52) Toluene	10.170	92	109601	20.646	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	52802	19.765	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	62311	19.771	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	32667	21.870	ug/l	98
56) Ethyl methacrylate	10.438	69	37030	19.415	ug/l	98
57) 1,3-Dichloropropane	10.713	76	53694	20.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	100110	107.593	ug/l	100
59) 2-Hexanone	10.762	43	88016	99.943	ug/l	99
60) Dibromochloromethane	10.908	129	43098	21.133	ug/l	98
61) 1,2-Dibromoethane	11.012	107	29375	20.964	ug/l	99
64) Tetrachloroethene	10.646	164	52197	22.152	ug/l	96
65) Chlorobenzene	11.438	112	120728	20.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	43131	20.497	ug/l	97
67) Ethyl Benzene	11.518	91	196300	19.302	ug/l	97
68) m/p-Xylenes	11.627	106	156499	40.186	ug/l	98
69) o-Xylene	11.956	106	70690	19.665	ug/l	98
70) Styrene	11.969	104	119429	19.926	ug/l	100
71) Bromoform	12.127	173	25950	21.620	ug/l #	99
73) Isopropylbenzene	12.255	105	185545	18.318	ug/l	99
74) N-amyl acetate	12.066	43	42238	17.768	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34540	18.966	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	25499m	18.863	ug/l	
77) Bromobenzene	12.530	156	46905	19.287	ug/l	99
78) n-propylbenzene	12.597	91	228710	18.781	ug/l	99
79) 2-Chlorotoluene	12.676	91	134943	19.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	158146	19.103	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	11078	18.882	ug/l	97
82) 4-Chlorotoluene	12.773	91	142613	19.340	ug/l	99
83) tert-Butylbenzene	12.993	119	134989	18.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	160612	19.630	ug/l	99
85) sec-Butylbenzene	13.176	105	204114	18.942	ug/l	100
86) p-Isopropyltoluene	13.292	119	170280	19.119	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	97033	20.251	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	95456	20.164	ug/l	99
89) n-Butylbenzene	13.615	91	153578	18.646	ug/l	98
90) Hexachloroethane	13.877	117	36837	18.875	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	83956	20.128	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5779	20.474	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	44388	19.624	ug/l	100
94) Hexachlorobutadiene	15.023	225	29102	20.601	ug/l	97
95) Naphthalene	15.145	128	70308	18.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39508	20.483	ug/l	99

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

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