

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040225\
 Data File : VY021751.D
 Acq On : 02 Apr 2025 11:20
 Operator : SY/MD
 Sample : VY0402SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/03/2025
 Supervised By :Semsettin Yesilyurt 04/03/2025

Quant Time: Apr 03 03:35:00 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	223174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	312498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127742	52.829	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.660%			
35) Dibromofluoromethane	7.634	113	121315	53.293	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.103	98	472062	54.511	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.020%			
62) 4-Bromofluorobenzene	12.402	95	159298	54.383	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	45862	19.827	ug/l	99
3) Chloromethane	2.068	50	64792	19.920	ug/l	100
4) Vinyl Chloride	2.202	62	72569	19.728	ug/l	99
5) Bromomethane	2.586	94	51437	20.502	ug/l	98
6) Chloroethane	2.726	64	47829	19.871	ug/l	98
7) Trichlorofluoromethane	3.050	101	93887	19.925	ug/l	96
8) Diethyl Ether	3.452	74	25169	19.641	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.806	101	50587	20.355	ug/l	98
10) Methyl Iodide	4.001	142	52817	19.372	ug/l	99
11) Tert butyl alcohol	4.860	59	14569	92.762	ug/l	98
12) 1,1-Dichloroethene	3.787	96	46759	19.975	ug/l	94
13) Acrolein	3.647	56	20445	71.292	ug/l	99
14) Allyl chloride	4.385	41	72713	19.482	ug/l	99
15) Acrylonitrile	5.049	53	52833	98.745	ug/l	99
16) Acetone	3.866	43	47018	95.010	ug/l	95
17) Carbon Disulfide	4.104	76	146926	19.056	ug/l	99
18) Methyl Acetate	4.379	43	24927	20.324	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	115506	19.819	ug/l	99
20) Methylene Chloride	4.616	84	55178	20.505	ug/l	90
21) trans-1,2-Dichloroethene	5.104	96	50731	19.683	ug/l	99
22) Diisopropyl ether	6.019	45	161917	20.681	ug/l	98
23) Vinyl Acetate	5.958	43	447188	97.634	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95210	20.337	ug/l	99
25) 2-Butanone	6.890	43	68243	96.547	ug/l	100
26) 2,2-Dichloropropane	6.878	77	83612	20.078	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	58098	20.044	ug/l	99
28) Bromochloromethane	7.244	49	38774	19.638	ug/l	96
29) Tetrahydrofuran	7.256	42	45959	101.029	ug/l	98
30) Chloroform	7.421	83	99438	20.421	ug/l	99
31) Cyclohexane	7.695	56	80296	18.815	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	88023	20.001	ug/l	99
36) 1,1-Dichloropropene	7.829	75	69686	20.098	ug/l	99
37) Ethyl Acetate	6.982	43	31020	18.957	ug/l	100
38) Carbon Tetrachloride	7.817	117	79723	20.075	ug/l	99
39) Methylcyclohexane	9.109	83	81659	19.715	ug/l	98
40) Benzene	8.079	78	214875	20.694	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	19656	22.619	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59907	20.465	ug/l	99
43) Isopropyl Acetate	8.195	43	59806	19.286	ug/l	99
44) Trichloroethene	8.866	130	54920	20.759	ug/l	99
45) 1,2-Dichloropropane	9.140	63	50445	20.524	ug/l	98
46) Dibromomethane	9.231	93	28659	20.232	ug/l	97
47) Bromodichloromethane	9.420	83	74811	20.382	ug/l	96
48) Methyl methacrylate	9.219	41	27112	19.050	ug/l	98
49) 1,4-Dioxane	9.225	88	6134	404.230	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	158307	98.099	ug/l	99
52) Toluene	10.170	92	134550	20.769	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	66360	20.355	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78324	20.364	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	37883	20.782	ug/l	97
56) Ethyl methacrylate	10.438	69	46583	20.013	ug/l	97
57) 1,3-Dichloropropane	10.713	76	64294	20.422	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	114916	101.204	ug/l	99
59) 2-Hexanone	10.762	43	104796	97.509	ug/l	99
60) Dibromochloromethane	10.908	129	51193	20.569	ug/l	98
61) 1,2-Dibromoethane	11.012	107	34676	20.278	ug/l	98
64) Tetrachloroethene	10.646	164	63114	22.175	ug/l	95
65) Chlorobenzene	11.438	112	146651	20.472	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	51455	20.245	ug/l	98
67) Ethyl Benzene	11.518	91	247192	20.123	ug/l	98
68) m/p-Xylenes	11.627	106	192590	40.943	ug/l	100
69) o-Xylene	11.957	106	87873	20.238	ug/l	99
70) Styrene	11.969	104	148515	20.515	ug/l	99
71) Bromoform	12.133	173	29798	20.554	ug/l #	100
73) Isopropylbenzene	12.255	105	231944	19.119	ug/l	99
74) N-amyl acetate	12.072	43	51662	18.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39127	17.939	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30121m	18.604	ug/l	
77) Bromobenzene	12.530	156	57171	19.627	ug/l	98
78) n-propylbenzene	12.597	91	286971	19.676	ug/l	99
79) 2-Chlorotoluene	12.676	91	165761	19.567	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	196264	19.794	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13404	19.076	ug/l	98
82) 4-Chlorotoluene	12.773	91	175679	19.892	ug/l	99
83) tert-Butylbenzene	12.999	119	171433	19.412	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	195682	19.968	ug/l	100
85) sec-Butylbenzene	13.176	105	254798	19.742	ug/l	100
86) p-Isopropyltoluene	13.292	119	212339	19.906	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	114646	19.977	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	112703	19.877	ug/l	97
89) n-Butylbenzene	13.615	91	193278	19.592	ug/l	99
90) Hexachloroethane	13.877	117	45056	19.275	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	102226	20.463	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6492	19.204	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	56135	20.721	ug/l	98
94) Hexachlorobutadiene	15.023	225	35255	20.837	ug/l	98
95) Naphthalene	15.145	128	86043	19.161	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48153	20.844	ug/l	98

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

