

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021808.D
 Acq On : 09 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0409SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBS01

Quant Time: Apr 10 01:39:09 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	202198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	309866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	278319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	145498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113000	51.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.160%			
35) Dibromofluoromethane	7.640	113	107830	53.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.300%			
50) Toluene-d8	10.115	98	418741	54.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.414	95	137685	53.232	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	38455	18.349	ug/l	99
3) Chloromethane	2.068	50	55592	18.865	ug/l	98
4) Vinyl Chloride	2.208	62	59442	17.836	ug/l	100
5) Bromomethane	2.598	94	41382	18.206	ug/l	94
6) Chloroethane	2.739	64	40989	18.796	ug/l	95
7) Trichlorofluoromethane	3.062	101	80884	18.946	ug/l	98
8) Diethyl Ether	3.464	74	20309	17.493	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	43837	19.469	ug/l	98
10) Methyl Iodide	4.007	142	54600	22.103	ug/l	99
11) Tert butyl alcohol	4.891	59	10229	71.886	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	39060	18.417	ug/l	98
13) Acrolein	3.653	56	10703	41.193	ug/l	91
14) Allyl chloride	4.391	41	59284	17.532	ug/l	99
15) Acrylonitrile	5.067	53	42199	87.052	ug/l	98
16) Acetone	3.879	43	33755	75.285	ug/l	95
17) Carbon Disulfide	4.110	76	127869	18.305	ug/l	96
18) Methyl Acetate	4.391	43	21387	19.246	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	87923	16.651	ug/l	99
20) Methylene Chloride	4.622	84	48598	19.816	ug/l	98
21) trans-1,2-Dichloroethene	5.128	96	43743	18.733	ug/l	96
22) Diisopropyl ether	6.025	45	133972	18.886	ug/l	98
23) Vinyl Acetate	5.970	43	345182	83.181	ug/l	99
24) 1,1-Dichloroethane	5.921	63	81504	19.215	ug/l	99
25) 2-Butanone	6.902	43	51106	79.803	ug/l	99
26) 2,2-Dichloropropane	6.890	77	70953	18.805	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	47494	18.086	ug/l	98
28) Bromochloromethane	7.250	49	34819	19.465	ug/l	98
29) Tetrahydrofuran	7.268	42	32831	79.657	ug/l	98
30) Chloroform	7.427	83	85660	19.417	ug/l	97
31) Cyclohexane	7.713	56	68217	17.643	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	77107	19.338	ug/l	98
36) 1,1-Dichloropropene	7.841	75	59361	19.389	ug/l	97
37) Ethyl Acetate	6.994	43	24184	16.737	ug/l	96
38) Carbon Tetrachloride	7.823	117	69243	19.746	ug/l	99
39) Methylcyclohexane	9.115	83	66255	18.115	ug/l	96
40) Benzene	8.085	78	182411	19.895	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13444m	17.520	ug/l	
42) 1,2-Dichloroethane	8.164	62	50962	19.716	ug/l	100
43) Isopropyl Acetate	8.201	43	47047	17.182	ug/l	99
44) Trichloroethene	8.872	130	47012	20.124	ug/l	97
45) 1,2-Dichloropropane	9.146	63	43921	20.237	ug/l	100
46) Dibromomethane	9.237	93	24977	19.969	ug/l	97
47) Bromodichloromethane	9.432	83	64844	20.007	ug/l	99
48) Methyl methacrylate	9.225	41	20674	16.451	ug/l	97
49) 1,4-Dioxane	9.231	88	4599	343.228	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	123317	86.541	ug/l	98
52) Toluene	10.176	92	114434	20.004	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	52908	18.379	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	62896	18.520	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	32651	20.285	ug/l	97
56) Ethyl methacrylate	10.445	69	34449	16.761	ug/l	99
57) 1,3-Dichloropropane	10.725	76	52061	18.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	94411	94.161	ug/l	100
59) 2-Hexanone	10.768	43	78808	83.043	ug/l	98
60) Dibromochloromethane	10.920	129	42968	19.552	ug/l	98
61) 1,2-Dibromoethane	11.024	107	28943	19.168	ug/l	98
64) Tetrachloroethene	10.652	164	55848	22.032	ug/l	95
65) Chlorobenzene	11.450	112	123571	19.369	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	45198	19.967	ug/l	99
67) Ethyl Benzene	11.530	91	209802	19.177	ug/l	100
68) m/p-Xylenes	11.633	106	163506	39.029	ug/l	99
69) o-Xylene	11.963	106	72082	18.640	ug/l	99
70) Styrene	11.975	104	125496	19.464	ug/l	97
71) Bromoform	12.139	173	24648	19.089	ug/l #	98
73) Isopropylbenzene	12.261	105	194735	18.020	ug/l	99
74) N-amyl acetate	12.078	43	40416	15.935	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	33567	17.276	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	26921m	18.666	ug/l	
77) Bromobenzene	12.542	156	48071	18.527	ug/l	98
78) n-propylbenzene	12.603	91	242670	18.678	ug/l	100
79) 2-Chlorotoluene	12.688	91	140056	18.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	164775	18.656	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	10037	16.035	ug/l	97
82) 4-Chlorotoluene	12.786	91	148491	18.875	ug/l	99
83) tert-Butylbenzene	13.005	119	139885	17.782	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	164934	18.894	ug/l	99
85) sec-Butylbenzene	13.182	105	214095	18.622	ug/l	99
86) p-Isopropyltoluene	13.298	119	175936	18.516	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	97485	19.070	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	96418	19.090	ug/l	98
89) n-Butylbenzene	13.627	91	157112	17.879	ug/l	99
90) Hexachloroethane	13.889	117	36945	17.743	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	83902	18.854	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4919	16.335	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	42816	17.742	ug/l	99
94) Hexachlorobutadiene	15.029	225	28834	19.131	ug/l	100
95) Naphthalene	15.157	128	63683	15.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	36350	17.664	ug/l	97

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

