

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021829.D
 Acq On : 10 Apr 2025 11:22
 Operator : SY/MD
 Sample : VY0410SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:35 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	207811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	318832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109229	48.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.020%		
35) Dibromofluoromethane	7.634	113	105361	50.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.880%		
50) Toluene-d8	10.109	98	404007	51.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.407	95	134999	50.726	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.460%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	39252	18.224	ug/l	100
3) Chloromethane	2.068	50	59786	19.740	ug/l	97
4) Vinyl Chloride	2.202	62	63877	18.649	ug/l	98
5) Bromomethane	2.592	94	43697	18.705	ug/l	98
6) Chloroethane	2.732	64	42704	19.053	ug/l	97
7) Trichlorofluoromethane	3.055	101	84703	19.305	ug/l	96
8) Diethyl Ether	3.458	74	22632	18.967	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46252	19.986	ug/l	99
10) Methyl Iodide	4.007	142	55133	21.716	ug/l	100
11) Tert butyl alcohol	4.872	59	12367	84.563	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	40908	18.767	ug/l	93
13) Acrolein	3.659	56	13077	48.971	ug/l	98
14) Allyl chloride	4.384	41	64598	18.587	ug/l	98
15) Acrylonitrile	5.067	53	47442	95.225	ug/l	99
16) Acetone	3.878	43	43633	94.688	ug/l	98
17) Carbon Disulfide	4.104	76	131412	18.304	ug/l	98
18) Methyl Acetate	4.391	43	23701	20.753	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	101520	18.707	ug/l	97
20) Methylene Chloride	4.616	84	50284	19.978	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	46410	19.338	ug/l	96
22) Diisopropyl ether	6.018	45	143976	19.749	ug/l	97
23) Vinyl Acetate	5.963	43	388600	91.114	ug/l	99
24) 1,1-Dichloroethane	5.921	63	86621	19.870	ug/l	99
25) 2-Butanone	6.902	43	60799	92.375	ug/l	98
26) 2,2-Dichloropropane	6.884	77	75992	19.597	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	52039	19.281	ug/l	99
28) Bromochloromethane	7.244	49	35396	19.253	ug/l	99
29) Tetrahydrofuran	7.268	42	38098	89.940	ug/l	99
30) Chloroform	7.421	83	91139	20.100	ug/l	98
31) Cyclohexane	7.707	56	71948	18.105	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	80786	19.713	ug/l	100
36) 1,1-Dichloropropene	7.835	75	63772	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	28649	19.270	ug/l	99
38) Carbon Tetrachloride	7.817	117	72496	20.093	ug/l	97
39) Methylcyclohexane	9.109	83	71764	19.070	ug/l	96
40) Benzene	8.079	78	191172	20.264	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	13035	16.509	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	53226	20.013	ug/l	100
43) Isopropyl Acetate	8.195	43	52654	18.689	ug/l	97
44) Trichloroethene	8.865	130	49203	20.469	ug/l	99
45) 1,2-Dichloropropane	9.140	63	45352	20.309	ug/l	97
46) Dibromomethane	9.231	93	26214	20.368	ug/l	96
47) Bromodichloromethane	9.426	83	68651	20.586	ug/l	97
48) Methyl methacrylate	9.219	41	24785	19.167	ug/l	99
49) 1,4-Dioxane	9.231	88	5304	384.711	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	140723	95.979	ug/l	99
52) Toluene	10.170	92	122020	20.730	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	57294	19.343	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	66901	19.145	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	34280	20.698	ug/l	97
56) Ethyl methacrylate	10.438	69	40341	19.076	ug/l	98
57) 1,3-Dichloropropane	10.719	76	58064	20.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	104087	100.892	ug/l	99
59) 2-Hexanone	10.761	43	92479	94.709	ug/l	100
60) Dibromochloromethane	10.914	129	46927	20.753	ug/l	100
61) 1,2-Dibromoethane	11.017	107	30845	19.853	ug/l	99
64) Tetrachloroethene	10.646	164	53276	20.569	ug/l	98
65) Chlorobenzene	11.444	112	130948	20.086	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	47375	20.482	ug/l	99
67) Ethyl Benzene	11.517	91	222087	19.866	ug/l	99
68) m/p-Xylenes	11.627	106	173922	40.629	ug/l	99
69) o-Xylene	11.956	106	79796	20.194	ug/l	99
70) Styrene	11.969	104	133731	20.298	ug/l	99
71) Bromoform	12.133	173	26634	20.187	ug/l #	99
73) Isopropylbenzene	12.255	105	210811	19.089	ug/l	100
74) N-amyl acetate	12.072	43	45971	17.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37011	18.640	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	29935m	20.310	ug/l	
77) Bromobenzene	12.535	156	51940	19.588	ug/l	99
78) n-propylbenzene	12.596	91	262187	19.747	ug/l	99
79) 2-Chlorotoluene	12.682	91	150997	19.580	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	176431	19.547	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	10813	16.904	ug/l	96
82) 4-Chlorotoluene	12.779	91	158350	19.696	ug/l	100
83) tert-Butylbenzene	12.999	119	153070	19.040	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	178830	20.046	ug/l	100
85) sec-Butylbenzene	13.176	105	232616	19.799	ug/l	100
86) p-Isopropyltoluene	13.291	119	193062	19.882	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	103726	19.855	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	103913	20.132	ug/l	98
89) n-Butylbenzene	13.621	91	175553	19.549	ug/l	99
90) Hexachloroethane	13.883	117	41979	19.728	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	91313	20.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5989	19.461	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	51079	20.712	ug/l	99
94) Hexachlorobutadiene	15.023	225	32403	21.038	ug/l	99
95) Naphthalene	15.145	128	81360	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	44068	20.955	ug/l	100

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

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