

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021809.D
 Acq On : 09 Apr 2025 10:53
 Operator : SY/MD
 Sample : VY0409SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 10 01:40:05 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	7.713	168	201578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	308952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	276460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	140571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105741	48.415	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.840%		
35) Dibromofluoromethane	7.640	113	105624	52.703	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.400%		
50) Toluene-d8	10.109	98	402676	52.815	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.640%		
62) 4-Bromofluorobenzene	12.408	95	131050	50.816	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	41023	19.635	ug/l	97
3) Chloromethane	2.068	50	58192	19.808	ug/l	97
4) Vinyl Chloride	2.208	62	64011	19.266	ug/l	100
5) Bromomethane	2.598	94	43236	19.080	ug/l	100
6) Chloroethane	2.739	64	42378	19.493	ug/l	96
7) Trichlorofluoromethane	3.062	101	85820	20.164	ug/l	97
8) Diethyl Ether	3.458	74	20860	18.023	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	47170	21.013	ug/l	99
10) Methyl Iodide	4.013	142	58219	23.641	ug/l	98
11) Tert butyl alcohol	4.872	59	11054	77.922	ug/l	99
12) 1,1-Dichloroethene	3.793	96	42406	20.056	ug/l	97
13) Acrolein	3.659	56	11734	45.300	ug/l	96
14) Allyl chloride	4.385	41	63589	18.863	ug/l	98
15) Acrylonitrile	5.067	53	44941	92.994	ug/l	99
16) Acetone	3.879	43	34100	76.289	ug/l	92
17) Carbon Disulfide	4.110	76	135655	19.479	ug/l	99
18) Methyl Acetate	4.385	43	21582	19.482	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	95735	18.187	ug/l	98
20) Methylene Chloride	4.622	84	51132	21.146	ug/l	92
21) trans-1,2-Dichloroethene	5.122	96	47066	20.218	ug/l	96
22) Diisopropyl ether	6.025	45	143788	20.333	ug/l	99
23) Vinyl Acetate	5.970	43	371740	89.856	ug/l	98
24) 1,1-Dichloroethane	5.921	63	87399	20.669	ug/l	99
25) 2-Butanone	6.896	43	52956	82.946	ug/l	97
26) 2,2-Dichloropropane	6.890	77	75627	20.106	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	53263	20.345	ug/l	99
28) Bromochloromethane	7.250	49	35403	19.852	ug/l	100
29) Tetrahydrofuran	7.268	42	35745	86.994	ug/l	99
30) Chloroform	7.427	83	91807	20.874	ug/l	99
31) Cyclohexane	7.707	56	72673	18.853	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	80968	20.369	ug/l	99
36) 1,1-Dichloropropene	7.841	75	63518	20.808	ug/l	99
37) Ethyl Acetate	6.988	43	25903	17.980	ug/l	98
38) Carbon Tetrachloride	7.823	117	75426	21.573	ug/l	98
39) Methylcyclohexane	9.116	83	72930	19.999	ug/l	98
40) Benzene	8.085	78	194307	21.255	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13283	17.361	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	52518	20.378	ug/l	99
43) Isopropyl Acetate	8.201	43	50430	18.472	ug/l	98
44) Trichloroethene	8.866	130	49560	21.277	ug/l	99
45) 1,2-Dichloropropane	9.146	63	45384	20.973	ug/l	96
46) Dibromomethane	9.237	93	25751	20.649	ug/l	98
47) Bromodichloromethane	9.426	83	67993	21.041	ug/l	97
48) Methyl methacrylate	9.225	41	22365	17.849	ug/l	98
49) 1,4-Dioxane	9.231	88	4870	364.528	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	128646	90.548	ug/l	100
52) Toluene	10.176	92	124239	21.782	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	55307	19.269	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	66831	19.737	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33824	21.076	ug/l	98
56) Ethyl methacrylate	10.445	69	37306	18.205	ug/l	98
57) 1,3-Dichloropropane	10.719	76	56327	20.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	90260	90.288	ug/l	98
59) 2-Hexanone	10.762	43	82428	87.115	ug/l	99
60) Dibromochloromethane	10.914	129	45127	20.595	ug/l	97
61) 1,2-Dibromoethane	11.018	107	29745	19.758	ug/l	96
64) Tetrachloroethene	10.652	164	57749	22.935	ug/l	95
65) Chlorobenzene	11.444	112	130641	20.614	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	47873	21.291	ug/l	99
67) Ethyl Benzene	11.524	91	222812	20.503	ug/l	100
68) m/p-Xylenes	11.633	106	175704	42.223	ug/l	99
69) o-Xylene	11.956	106	78151	20.345	ug/l	100
70) Styrene	11.975	104	133003	20.767	ug/l	99
71) Bromoform	12.133	173	25919	20.208	ug/l #	99
73) Isopropylbenzene	12.261	105	208103	19.932	ug/l	100
74) N-amyl acetate	12.072	43	41562	16.962	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	34546	18.404	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	25160m	18.056	ug/l	
77) Bromobenzene	12.536	156	51293	20.461	ug/l	96
78) n-propylbenzene	12.597	91	260519	20.755	ug/l	100
79) 2-Chlorotoluene	12.682	91	151225	20.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	178154	20.878	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	9932	16.424	ug/l	92
82) 4-Chlorotoluene	12.780	91	157483	20.719	ug/l	100
83) tert-Butylbenzene	12.999	119	154398	20.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	176210	20.893	ug/l	100
85) sec-Butylbenzene	13.182	105	228544	20.576	ug/l	99
86) p-Isopropyltoluene	13.298	119	191943	20.908	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	103331	20.922	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	101489	20.798	ug/l	98
89) n-Butylbenzene	13.621	91	171780	20.233	ug/l	100
90) Hexachloroethane	13.883	117	39877	19.822	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	89841	20.896	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5358	18.416	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	46862	20.099	ug/l	99
94) Hexachlorobutadiene	15.029	225	31341	21.524	ug/l	100
95) Naphthalene	15.151	128	69275	17.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	40645	20.443	ug/l	97

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

