

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021454.D
 Acq On : 07 Mar 2025 12:26
 Operator : SY/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 07 22:00:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	227736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	357822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120392	50.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.634	113	115248	49.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.000%	
50) Toluene-d8	10.109	98	434769	48.820	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.640%	
62) 4-Bromofluorobenzene	12.408	95	147234	48.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	36055	17.252	ug/l	100
3) Chloromethane	2.068	50	52179	17.709	ug/l	98
4) Vinyl Chloride	2.202	62	59224	18.393	ug/l	99
5) Bromomethane	2.592	94	41087	17.656	ug/l	95
6) Chloroethane	2.733	64	40356	18.966	ug/l	94
7) Trichlorofluoromethane	3.056	101	80189	17.843	ug/l	97
8) Diethyl Ether	3.452	74	21004	16.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	44556	17.365	ug/l	99
10) Methyl Iodide	4.007	142	43812	16.797	ug/l	98
11) Tert butyl alcohol	4.866	59	15449	83.729	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	40327	17.239	ug/l	97
13) Acrolein	3.653	56	17176	140.292	ug/l	92
14) Allyl chloride	4.385	41	64835	17.150	ug/l	100
15) Acrylonitrile	5.061	53	44179	83.328	ug/l	100
16) Acetone	3.866	43	47130	89.772	ug/l	92
17) Carbon Disulfide	4.104	76	122324	16.685	ug/l	99
18) Methyl Acetate	4.385	43	20631	17.711	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	97239	16.400	ug/l	99
20) Methylene Chloride	4.616	84	46738	16.960	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	44024	16.804	ug/l	97
22) Diisopropyl ether	6.019	45	141748	17.398	ug/l	99
23) Vinyl Acetate	5.964	43	389672	83.805	ug/l	100
24) 1,1-Dichloroethane	5.915	63	81730	16.997	ug/l	99
25) 2-Butanone	6.890	43	63328	87.201	ug/l	98
26) 2,2-Dichloropropane	6.884	77	74684	16.880	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	49488	16.628	ug/l	99
28) Bromochloromethane	7.244	49	39440	19.564	ug/l	96
29) Tetrahydrofuran	7.262	42	36967	82.454	ug/l	99
30) Chloroform	7.421	83	85710	17.165	ug/l	96
31) Cyclohexane	7.701	56	73363	16.274	ug/l #	92
32) 1,1,1-Trichloroethane	7.616	97	78541	17.179	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60483	16.428	ug/l	99
37) Ethyl Acetate	6.988	43	26400	16.224	ug/l	99
38) Carbon Tetrachloride	7.817	117	71323	16.845	ug/l	99
39) Methylcyclohexane	9.109	83	72713	16.101	ug/l	96
40) Benzene	8.079	78	185637	17.117	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	18019m	20.337	ug/l	
42) 1,2-Dichloroethane	8.152	62	51760	17.060	ug/l	100
43) Isopropyl Acetate	8.195	43	52289	16.553	ug/l #	86
44) Trichloroethene	8.866	130	45614	16.644	ug/l	95
45) 1,2-Dichloropropane	9.140	63	44706	17.320	ug/l	94
46) Dibromomethane	9.231	93	24851	17.303	ug/l	96
47) Bromodichloromethane	9.420	83	64857	17.005	ug/l	100
48) Methyl methacrylate	9.219	41	24550	16.925	ug/l	98
49) 1,4-Dioxane	9.225	88	4956	351.570	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	135192	82.946	ug/l	99
52) Toluene	10.170	92	114595	16.760	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	55532	16.526	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	65591	16.441	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31669	16.857	ug/l	97
56) Ethyl methacrylate	10.438	69	38139	15.918	ug/l	98
57) 1,3-Dichloropropane	10.713	76	54287	16.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	93888	84.886	ug/l	100
59) 2-Hexanone	10.762	43	90261	83.752	ug/l	98
60) Dibromochloromethane	10.908	129	44101	17.123	ug/l	96
61) 1,2-Dibromoethane	11.012	107	29477	16.625	ug/l	97
64) Tetrachloroethene	10.646	164	43488	17.070	ug/l	96
65) Chlorobenzene	11.444	112	123259	16.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	43834	16.758	ug/l	100
67) Ethyl Benzene	11.518	91	214090	16.487	ug/l	97
68) m/p-Xylenes	11.627	106	163263	33.117	ug/l	99
69) o-Xylene	11.956	106	76643	16.868	ug/l	96
70) Styrene	11.969	104	125968	16.712	ug/l	98
71) Bromoform	12.133	173	24164	16.526	ug/l #	96
73) Isopropylbenzene	12.255	105	203587	16.251	ug/l	99
74) N-amyl acetate	12.072	43	42591	15.655	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35913	16.246	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	27231m	16.993	ug/l	
77) Bromobenzene	12.536	156	47166	16.094	ug/l	99
78) n-propylbenzene	12.597	91	253605	16.669	ug/l	99
79) 2-Chlorotoluene	12.682	91	144424	16.602	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	169142	16.614	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11332	16.075	ug/l	98
82) 4-Chlorotoluene	12.779	91	151619	16.831	ug/l	98
83) tert-Butylbenzene	12.999	119	149151	16.423	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	168017	16.622	ug/l	98
85) sec-Butylbenzene	13.176	105	224292	16.599	ug/l	100
86) p-Isopropyltoluene	13.292	119	182186	16.366	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	95327	16.340	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	94797	16.615	ug/l	98
89) n-Butylbenzene	13.621	91	169086	16.449	ug/l	100
90) Hexachloroethane	13.883	117	39905	16.803	ug/l	94
91) 1,2-Dichlorobenzene	13.663	146	83549	16.710	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5551	16.763	ug/l	92
93) 1,2,4-Trichlorobenzene	14.925	180	44445	16.274	ug/l	98
94) Hexachlorobutadiene	15.023	225	29045	16.966	ug/l	100
95) Naphthalene	15.145	128	67256	16.586	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	37629	16.382	ug/l	99

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

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