

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021225\
 Data File : VY021177.D
 Acq On : 12 Feb 2025 12:12
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Quant Time: Feb 13 03:46:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/13/2025
 Supervised By :Semsettin Yesilyurt 02/13/2025

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	136507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	210977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	179129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	87511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	69543	49.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.440%		
35) Dibromofluoromethane	7.646	113	67172	49.680	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.360%		
50) Toluene-d8	10.115	98	260853	50.676	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.360%		
62) 4-Bromofluorobenzene	12.414	95	84356	50.163	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	21251	17.467	ug/l	100
3) Chloromethane	2.080	50	19180	15.976	ug/l	100
4) Vinyl Chloride	2.214	62	20133	16.661	ug/l	95
5) Bromomethane	2.611	94	12286	16.450	ug/l	97
6) Chloroethane	2.751	64	12299	17.098	ug/l	98
7) Trichlorofluoromethane	3.074	101	41300	18.760	ug/l	99
8) Diethyl Ether	3.470	74	12675	18.443	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	27276	19.741	ug/l	95
10) Methyl Iodide	4.025	142	23427	15.261	ug/l	90
11) Tert butyl alcohol	4.891	59	9158	96.625	ug/l	98
12) 1,1-Dichloroethene	3.806	96	22668	17.416	ug/l	93
13) Acrolein	3.671	56	11238	77.000	ug/l	99
14) Allyl chloride	4.403	41	41539	18.936	ug/l	94
15) Acrylonitrile	5.080	53	27689	96.751	ug/l	96
16) Acetone	3.891	43	21688	99.435	ug/l	92
17) Carbon Disulfide	4.129	76	49125	12.036	ug/l	99
18) Methyl Acetate	4.403	43	14690	19.186	ug/l	96
19) Methyl tert-butyl Ether	5.135	73	65120	19.795	ug/l	99
20) Methylene Chloride	4.635	84	25941	19.132	ug/l	94
21) trans-1,2-Dichloroethene	5.135	96	24824	17.327	ug/l	86
22) Diisopropyl ether	6.037	45	95590	21.141	ug/l	96
23) Vinyl Acetate	5.976	43	248775	98.699	ug/l	98
24) 1,1-Dichloroethane	5.933	63	53696	20.270	ug/l	98
25) 2-Butanone	6.915	43	35287	98.452	ug/l	94
26) 2,2-Dichloropropane	6.896	77	50894	20.763	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	33107	20.076	ug/l	93
28) Bromochloromethane	7.256	49	19019	18.156	ug/l	96
29) Tetrahydrofuran	7.274	42	22430	92.484	ug/l	96
30) Chloroform	7.433	83	57540	21.147	ug/l	95
31) Cyclohexane	7.713	56	40850	17.124	ug/l #	94
32) 1,1,1-Trichloroethane	7.628	97	53053	20.971	ug/l	99
36) 1,1-Dichloropropene	7.848	75	37549	18.749	ug/l	98
37) Ethyl Acetate	7.000	43	16594	18.888	ug/l	99
38) Carbon Tetrachloride	7.829	117	47573	20.330	ug/l	94
39) Methylcyclohexane	9.116	83	42788	17.467	ug/l	95
40) Benzene	8.091	78	114913	19.553	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	9935	19.547	ug/l	97
42) 1,2-Dichloroethane	8.171	62	33607	20.614	ug/l	96
43) Isopropyl Acetate	8.207	43	34676	19.864	ug/l	97
44) Trichloroethene	8.872	130	29622	19.509	ug/l	94
45) 1,2-Dichloropropane	9.152	63	29539	21.176	ug/l	100
46) Dibromomethane	9.244	93	15214	19.698	ug/l	96
47) Bromodichloromethane	9.433	83	43899	21.193	ug/l	98
48) Methyl methacrylate	9.231	41	15280	19.216	ug/l	93
49) 1,4-Dioxane	9.250	88	2859	397.637	ug/l #	88
51) 4-Methyl-2-Pentanone	10.006	43	87806	100.023	ug/l	95
52) Toluene	10.176	92	73707	19.973	ug/l	97
53) t-1,3-Dichloropropene	10.402	75	37856	20.353	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	44524	20.218	ug/l #	89
55) 1,1,2-Trichloroethane	10.579	97	20174	20.171	ug/l	95
56) Ethyl methacrylate	10.445	69	25694	19.204	ug/l	90
57) 1,3-Dichloropropane	10.725	76	34771	20.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	58166	91.380	ug/l	99
59) 2-Hexanone	10.768	43	54955	97.228	ug/l	95
60) Dibromochloromethane	10.920	129	29030	20.669	ug/l	98
61) 1,2-Dibromoethane	11.024	107	18347	19.585	ug/l	100
64) Tetrachloroethene	10.658	164	25580	19.237	ug/l	96
65) Chlorobenzene	11.451	112	82068	20.576	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	30486	21.508	ug/l	98
67) Ethyl Benzene	11.530	91	145753	20.660	ug/l	99
68) m/p-Xylenes	11.633	106	108851	41.244	ug/l	96
69) o-Xylene	11.963	106	50695	20.603	ug/l	97
70) Styrene	11.975	104	87571	21.353	ug/l	99
71) Bromoform	12.139	173	16369	20.747	ug/l #	99
73) Isopropylbenzene	12.261	105	142702	20.876	ug/l	99
74) N-amyl acetate	12.079	43	29375	19.655	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	22794	20.049	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	15020m	18.921	ug/l	
77) Bromobenzene	12.542	156	32185	20.403	ug/l	94
78) n-propylbenzene	12.603	91	172314	21.161	ug/l	99
79) 2-Chlorotoluene	12.688	91	96640	20.721	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	118483	21.378	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	7680	19.741	ug/l	95
82) 4-Chlorotoluene	12.786	91	101592	21.379	ug/l	99
83) tert-Butylbenzene	13.005	119	108044	21.447	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	117045	21.599	ug/l	100
85) sec-Butylbenzene	13.182	105	157624	21.736	ug/l	99
86) p-Isopropyltoluene	13.298	119	128674	21.361	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	63685	20.908	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	62387	20.802	ug/l	97
89) n-Butylbenzene	13.627	91	119683	21.779	ug/l	98
90) Hexachloroethane	13.889	117	27757	22.088	ug/l	88
91) 1,2-Dichlorobenzene	13.664	146	55608	21.034	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3161	18.606	ug/l	97
93) 1,2,4-Trichlorobenzene	14.932	180	29484	20.036	ug/l	98
94) Hexachlorobutadiene	15.029	225	21196	21.736	ug/l	97
95) Naphthalene	15.151	128	43665	18.547	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	24018	19.613	ug/l	97

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

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