

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021029.D
 Acq On : 03 Feb 2025 14:55
 Operator : SY/MD
 Sample : VY0203SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Quant Time: Feb 04 00:54:53 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 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	208053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	315310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	265413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	127785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	97921	45.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.880%		
35) Dibromofluoromethane	7.640	113	98626	48.807	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.620%		
50) Toluene-d8	10.109	98	386321	50.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.440%		
62) 4-Bromofluorobenzene	12.414	95	124856	49.679	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	33566	18.101	ug/l	94
3) Chloromethane	2.074	50	33212	18.150	ug/l	94
4) Vinyl Chloride	2.208	62	32799	17.808	ug/l	99
5) Bromomethane	2.598	94	20799	18.272	ug/l	98
6) Chloroethane	2.745	64	19197	17.510	ug/l	99
7) Trichlorofluoromethane	3.068	101	60637	18.072	ug/l	98
8) Diethyl Ether	3.458	74	17435	16.645	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	38883	18.464	ug/l	97
10) Methyl Iodide	4.013	142	36813	15.735	ug/l	92
11) Tert butyl alcohol	4.860	59	13246	91.697	ug/l #	95
12) 1,1-Dichloroethene	3.799	96	35767	18.030	ug/l	86
13) Acrolein	3.659	56	19847	89.223	ug/l	97
14) Allyl chloride	4.391	41	59324	17.744	ug/l	97
15) Acrylonitrile	5.073	53	35734	81.924	ug/l	98
16) Acetone	3.878	43	27822	83.693	ug/l	94
17) Carbon Disulfide	4.116	76	110086	17.697	ug/l	99
18) Methyl Acetate	4.384	43	17945	15.377	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	80945	16.144	ug/l	100
20) Methylene Chloride	4.628	84	35372	17.116	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	39102	17.907	ug/l	98
22) Diisopropyl ether	6.024	45	120509	17.487	ug/l	96
23) Vinyl Acetate	5.970	43	315737	82.189	ug/l	98
24) 1,1-Dichloroethane	5.927	63	70952	17.573	ug/l	98
25) 2-Butanone	6.896	43	42955	78.633	ug/l	99
26) 2,2-Dichloropropane	6.896	77	67210	17.991	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	43736	17.401	ug/l	91
28) Bromochloromethane	7.250	49	26252	16.443	ug/l	95
29) Tetrahydrofuran	7.268	42	29686	80.310	ug/l	93
30) Chloroform	7.427	83	72698	17.530	ug/l	100
31) Cyclohexane	7.707	56	64723	17.801	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	69619	18.056	ug/l	99
36) 1,1-Dichloropropene	7.847	75	55441	18.523	ug/l	99
37) Ethyl Acetate	6.994	43	21746	16.562	ug/l	100
38) Carbon Tetrachloride	7.823	117	63009	18.017	ug/l	98
39) Methylcyclohexane	9.115	83	67910	18.549	ug/l	99
40) Benzene	8.085	78	158805	18.080	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	15815m	20.819	ug/l	
42) 1,2-Dichloroethane	8.164	62	41230	16.921	ug/l	97
43) Isopropyl Acetate	8.201	43	42135	16.150	ug/l #	86
44) Trichloroethene	8.871	130	41078	18.102	ug/l	97
45) 1,2-Dichloropropane	9.146	63	36704	17.606	ug/l	94
46) Dibromomethane	9.237	93	19335	16.751	ug/l	96
47) Bromodichloromethane	9.426	83	53347	17.232	ug/l	97
48) Methyl methacrylate	9.225	41	19198	16.154	ug/l	97
49) 1,4-Dioxane	9.237	88	3601	335.115	ug/l	89
51) 4-Methyl-2-Pentanone	10.005	43	104184	79.410	ug/l	96
52) Toluene	10.176	92	99825	18.100	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	47648	17.141	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	57532	17.480	ug/l	93
55) 1,1,2-Trichloroethane	10.578	97	24888	16.650	ug/l	97
56) Ethyl methacrylate	10.444	69	31090	15.548	ug/l	91
57) 1,3-Dichloropropane	10.725	76	43745	16.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	74540	78.355	ug/l	98
59) 2-Hexanone	10.767	43	64809	76.721	ug/l	97
60) Dibromochloromethane	10.914	129	34720	16.540	ug/l	98
61) 1,2-Dibromoethane	11.017	107	23426	16.732	ug/l	99
64) Tetrachloroethene	10.652	164	36914	18.735	ug/l	96
65) Chlorobenzene	11.450	112	104718	17.719	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.523	131	37479	17.845	ug/l	97
67) Ethyl Benzene	11.523	91	192965	18.460	ug/l	98
68) m/p-Xylenes	11.633	106	145288	37.154	ug/l	98
69) o-Xylene	11.962	106	66425	18.220	ug/l	97
70) Styrene	11.975	104	110443	18.175	ug/l	98
71) Bromoform	12.139	173	19886	17.011	ug/l #	100
73) Isopropylbenzene	12.261	105	186604	18.694	ug/l	100
74) N-amyl acetate	12.078	43	35266	16.160	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	27202	16.386	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	20534m	17.714	ug/l	
77) Bromobenzene	12.535	156	40125	17.419	ug/l	92
78) n-propylbenzene	12.602	91	223020	18.756	ug/l	99
79) 2-Chlorotoluene	12.688	91	123088	18.074	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	149063	18.419	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	9246	16.276	ug/l	96
82) 4-Chlorotoluene	12.785	91	126164	18.183	ug/l	100
83) tert-Butylbenzene	13.005	119	135542	18.426	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	148583	18.777	ug/l	100
85) sec-Butylbenzene	13.182	105	198955	18.789	ug/l	98
86) p-Isopropyltoluene	13.297	119	166473	18.926	ug/l	99
87) 1,3-Dichlorobenzene	13.297	146	81089	18.232	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	78352	17.892	ug/l	97
89) n-Butylbenzene	13.627	91	153379	19.114	ug/l	100
90) Hexachloroethane	13.889	117	34059	18.561	ug/l	87
91) 1,2-Dichlorobenzene	13.669	146	67516	17.490	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4129	16.644	ug/l	92
93) 1,2,4-Trichlorobenzene	14.931	180	37507	17.455	ug/l	99
94) Hexachlorobutadiene	15.029	225	26939	18.919	ug/l	99
95) Naphthalene	15.151	128	54539	15.865	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	30900	17.280	ug/l	98

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

