

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021343.D
 Acq On : 26 Feb 2025 19:43
 Operator : SY/MD
 Sample : Q1380-08MSD
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-192-GW-725-727MSD

Quant Time: Feb 27 00:44:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	137100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	223153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	181056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87527	56.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.560%			
35) Dibromofluoromethane	7.634	113	80395	54.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.103	98	283014	50.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.408	95	80680	42.399	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	75041	57.730	ug/l	98
3) Chloromethane	2.068	50	93428	55.654	ug/l	100
4) Vinyl Chloride	2.202	62	98032	59.495	ug/l	99
5) Bromomethane	2.599	94	62557	57.132	ug/l	99
6) Chloroethane	2.733	64	60258	58.973	ug/l	99
7) Trichlorofluoromethane	3.062	101	150185	60.353	ug/l	97
8) Diethyl Ether	3.452	74	46516	62.281	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	82305	57.129	ug/l	100
10) Methyl Iodide	4.001	142	99072	65.363	ug/l	99
11) Tert butyl alcohol	4.848	59	31864	266.356	ug/l	98
12) 1,1-Dichloroethene	3.793	96	81611	59.161	ug/l	95
13) Acrolein	3.659	56	4635	50.560	ug/l	96
14) Allyl chloride	4.385	41	141183	57.725	ug/l	98
15) Acrylonitrile	5.055	53	100626	304.725	ug/l	100
16) Acetone	3.867	43	85420	286.319	ug/l	98
17) Carbon Disulfide	4.104	76	268282	58.568	ug/l	99
18) Methyl Acetate	4.385	43	45429	62.308	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	231232	63.444	ug/l	99
20) Methylene Chloride	4.616	84	98540	61.081	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	89484	58.925	ug/l	95
22) Diisopropyl ether	6.019	45	307420	60.741	ug/l	98
23) Vinyl Acetate	5.958	43	922532	305.030	ug/l	99
24) 1,1-Dichloroethane	5.915	63	169196	59.314	ug/l	99
25) 2-Butanone	6.890	43	130748	290.381	ug/l	97
26) 2,2-Dichloropropane	6.884	77	140057	54.110	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	103896	59.913	ug/l	98
28) Bromochloromethane	7.238	49	68413	54.201	ug/l	97
29) Tetrahydrofuran	7.262	42	87340	296.758	ug/l	99
30) Chloroform	7.421	83	174182	60.260	ug/l	100
31) Cyclohexane	7.701	56	125054	45.606	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	155893	59.253	ug/l	97
36) 1,1-Dichloropropene	7.835	75	117746	53.579	ug/l	99
37) Ethyl Acetate	6.988	43	62877	57.519	ug/l	99
38) Carbon Tetrachloride	7.817	117	134965	54.629	ug/l	99
39) Methylcyclohexane	9.110	83	99386	35.756	ug/l	97
40) Benzene	8.079	78	370415	57.020	ug/l	100

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41) Methacrylonitrile	7.220	41	33290	54.467	ug/l	95
42) 1,2-Dichloroethane	8.159	62	110620	60.018	ug/l	99
43) Isopropyl Acetate	8.195	43	123473	58.355	ug/l	98
44) Trichloroethene	8.866	130	87915	54.054	ug/l	98
45) 1,2-Dichloropropane	9.140	63	89636	57.336	ug/l	98
46) Dibromomethane	9.225	93	51162	59.869	ug/l	100
47) Bromodichloromethane	9.420	83	133577	58.623	ug/l	100
48) Methyl methacrylate	9.219	41	57228	57.838	ug/l	95
49) 1,4-Dioxane	9.225	88	11155	1173.970	ug/l	89
51) 4-Methyl-2-Pentanone	9.994	43	312663	288.673	ug/l	100
52) Toluene	10.170	92	221413	54.864	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	116747	55.924	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	135402	54.941	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	66842	60.042	ug/l	97
56) Ethyl methacrylate	10.439	69	90173	58.621	ug/l	99
57) 1,3-Dichloropropane	10.713	76	116388	59.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	2214	2.999	ug/l	98
59) 2-Hexanone	10.762	43	203976	286.754	ug/l	99
60) Dibromochloromethane	10.908	129	89178	58.817	ug/l	99
61) 1,2-Dibromoethane	11.012	107	61559	58.408	ug/l	95
64) Tetrachloroethene	10.646	164	69112	50.502	ug/l	99
65) Chlorobenzene	11.438	112	218806	53.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	85488	60.072	ug/l	99
67) Ethyl Benzene	11.518	91	377872	52.490	ug/l	99
68) m/p-Xylenes	11.627	106	275336	101.683	ug/l	100
69) o-Xylene	11.957	106	133078	52.462	ug/l	98
70) Styrene	11.969	104	145442	34.461	ug/l	95
71) Bromoform	12.133	173	49481	60.778	ug/l #	99
73) Isopropylbenzene	12.255	105	305940	64.183	ug/l	100
74) N-amyl acetate	12.072	43	100797	83.194	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	70814	84.177	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	52430m	82.614	ug/l	
77) Bromobenzene	12.530	156	78858	71.126	ug/l	98
78) n-propylbenzene	12.597	91	321596	55.599	ug/l	99
79) 2-Chlorotoluene	12.676	91	204105	61.485	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	210571	53.862	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22326	78.190	ug/l	98
82) 4-Chlorotoluene	12.780	91	198559	57.702	ug/l	100
83) tert-Butylbenzene	12.999	119	178441	50.529	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	210873	54.235	ug/l	100
85) sec-Butylbenzene	13.176	105	214897	41.660	ug/l	99
86) p-Isopropyltoluene	13.292	119	173012	40.168	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	106828	48.710	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	111142	51.298	ug/l	99
89) n-Butylbenzene	13.615	91	120521	29.734	ug/l	99
90) Hexachloroethane	13.877	117	38746	43.065	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	102285	53.232	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10374	77.954	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	23272	19.844	ug/l	98
94) Hexachlorobutadiene	15.023	225	10275	13.917	ug/l	98
95) Naphthalene	15.145	128	68572	35.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20565	20.754	ug/l	99

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

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