

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021272.D
 Acq On : 21 Feb 2025 00:06
 Operator : SY/MD
 Sample : Q1380-08MSD
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Feb 21 02:50:22 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 02/21/2025
 Supervised By :Semsettin Yesilyurt 02/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	73874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	110852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	88371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	32849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	36933	48.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.600%		
35) Dibromofluoromethane	7.646	113	33518	47.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.360%		
50) Toluene-d8	10.115	98	118230	43.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.420%		
62) 4-Bromofluorobenzene	12.414	95	33834	38.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	76.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	43850	66.598	ug/l	94
3) Chloromethane	2.074	50	40661	62.583	ug/l	95
4) Vinyl Chloride	2.214	62	46621	71.290	ug/l	97
5) Bromomethane	2.611	94	25886	64.044	ug/l	97
6) Chloroethane	2.745	64	27155	69.756	ug/l	93
7) Trichlorofluoromethane	3.074	101	83098	69.748	ug/l	100
8) Diethyl Ether	3.464	74	21235	57.094	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.830	101	50773	67.901	ug/l	96
10) Methyl Iodide	4.025	142	43155	51.948	ug/l	92
11) Tert butyl alcohol	4.884	59	12255	238.928	ug/l	95
12) 1,1-Dichloroethene	3.805	96	42218	59.937	ug/l	91
13) Acrolein	3.665	56	16796	212.653	ug/l	99
14) Allyl chloride	4.403	41	67979	57.264	ug/l	93
15) Acrylonitrile	5.080	53	52077	336.245	ug/l	99
16) Acetone	3.885	43	42735	362.049	ug/l	92
17) Carbon Disulfide	4.122	76	115858	52.455	ug/l	98
18) Methyl Acetate	4.403	43	30158	72.782	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	107274	60.255	ug/l	99
20) Methylene Chloride	4.635	84	42699	58.190	ug/l	89
21) trans-1,2-Dichloroethene	5.134	96	40749	52.556	ug/l	96
22) Diisopropyl ether	6.031	45	149039	60.910	ug/l	94
23) Vinyl Acetate	5.976	43	428017	313.784	ug/l	97
24) 1,1-Dichloroethane	5.933	63	82724	57.703	ug/l	99
25) 2-Butanone	6.909	43	62926	324.417	ug/l	94
26) 2,2-Dichloropropane	6.896	77	76272	57.499	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	49132	55.053	ug/l	92
28) Bromochloromethane	7.262	49	34953	61.658	ug/l	94
29) Tetrahydrofuran	7.274	42	42010	320.076	ug/l	93
30) Chloroform	7.433	83	84954	57.692	ug/l	99
31) Cyclohexane	7.713	56	77014	59.655	ug/l	96
32) 1,1,1-Trichloroethane	7.634	97	82715	60.418	ug/l	99
36) 1,1-Dichloropropene	7.847	75	62400	59.301	ug/l	99
37) Ethyl Acetate	7.000	43	30679	66.461	ug/l	98
38) Carbon Tetrachloride	7.829	117	78096	63.518	ug/l	99
39) Methylcyclohexane	9.115	83	68468	53.196	ug/l	98
40) Benzene	8.091	78	179850	58.242	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	17857	66.866	ug/l	91
42) 1,2-Dichloroethane	8.164	62	53401	62.340	ug/l	97
43) Isopropyl Acetate	8.207	43	60859	66.351	ug/l	95
44) Trichloroethene	8.872	130	42995	53.891	ug/l	92
45) 1,2-Dichloropropane	9.152	63	44266	60.396	ug/l	98
46) Dibromomethane	9.237	93	24624	60.679	ug/l	98
47) Bromodichloromethane	9.432	83	65131	59.844	ug/l	96
48) Methyl methacrylate	9.231	41	27181	65.057	ug/l	91
49) 1,4-Dioxane	9.243	88	4837	1280.385	ug/l #	84
51) 4-Methyl-2-Pentanone	10.006	43	151681	328.850	ug/l	95
52) Toluene	10.176	92	107063	55.217	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	55083	56.365	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	64915	56.102	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	32933	62.670	ug/l	95
56) Ethyl methacrylate	10.444	69	42497	60.451	ug/l	88
57) 1,3-Dichloropropane	10.725	76	55662	61.196	ug/l	99
59) 2-Hexanone	10.768	43	97422	328.044	ug/l	93
60) Dibromochloromethane	10.920	129	43253	58.610	ug/l	100
61) 1,2-Dibromoethane	11.024	107	30026	61.001	ug/l	99
64) Tetrachloroethene	10.658	164	35593	54.256	ug/l	94
65) Chlorobenzene	11.450	112	106372	54.058	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	41275	59.025	ug/l	96
67) Ethyl Benzene	11.530	91	187491	53.871	ug/l	100
68) m/p-Xylenes	11.639	106	137512	105.615	ug/l	98
69) o-Xylene	11.962	106	64156	52.851	ug/l	93
70) Styrene	11.975	104	54807	27.089	ug/l #	86
71) Bromoform	12.139	173	24095	61.904	ug/l #	98
73) Isopropylbenzene	12.261	105	165641	64.553	ug/l	99
74) N-amyl acetate	12.078	43	45488	81.084	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	35928	84.189	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	23447m	78.686	ug/l	
77) Bromobenzene	12.542	156	37455	63.254	ug/l	99
78) n-propylbenzene	12.603	91	176689	57.805	ug/l	99
79) 2-Chlorotoluene	12.688	91	104363	59.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	112171	53.918	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	11041	75.605	ug/l	89
82) 4-Chlorotoluene	12.786	91	98552	55.251	ug/l	98
83) tert-Butylbenzene	13.005	119	105042	55.549	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	111770	54.947	ug/l	99
85) sec-Butylbenzene	13.182	105	131369	48.261	ug/l	100
86) p-Isopropyltoluene	13.298	119	102437	45.303	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	54216	47.419	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	54569	48.474	ug/l	98
89) n-Butylbenzene	13.627	91	73961	35.855	ug/l	99
90) Hexachloroethane	13.889	117	22616	47.945	ug/l	87
91) 1,2-Dichlorobenzene	13.669	146	51605	52.002	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4708	73.825	ug/l	98
93) 1,2,4-Trichlorobenzene	14.931	180	11634	21.062	ug/l	98
94) Hexachlorobutadiene	15.035	225	6313	17.246	ug/l	93
95) Naphthalene	15.157	128	29165	33.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	10016	21.789	ug/l	97

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

