

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020624.D
 Acq On : 18 Dec 2024 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 18 14:20:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
 Supervised By :Semsettin Yesilyurt 12/19/2024

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	168319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	226779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	124266	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	86558	46.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.900%
35) Dibromofluoromethane	7.640	113	87855	47.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.360%
50) Toluene-d8	10.109	98	316621	48.577	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.160%
62) 4-Bromofluorobenzene	12.408	95	113536	44.531	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	89.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	112318	53.424	ug/l	97
3) Chloromethane	2.074	50	91060	58.456	ug/l	100
4) Vinyl Chloride	2.208	62	86513	59.670	ug/l	98
5) Bromomethane	2.605	94	53404	57.301	ug/l	98
6) Chloroethane	2.739	64	54831	61.198	ug/l	96
7) Trichlorofluoromethane	3.068	101	165137	54.433	ug/l	98
8) Diethyl Ether	3.458	74	55435	52.102	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	122111	56.155	ug/l	99
10) Methyl Iodide	4.013	142	142447	58.838	ug/l	98
11) Tert butyl alcohol	4.872	59	42696	215.219	ug/l	99
12) 1,1-Dichloroethene	3.793	96	118244	56.042	ug/l	99
13) Acrolein	3.659	56	18414	211.249	ug/l	99
14) Allyl chloride	4.391	41	211903	57.316	ug/l	99
15) Acrylonitrile	5.068	53	133405	262.091	ug/l	99
16) Acetone	3.873	43	96362	263.467	ug/l	99
17) Carbon Disulfide	4.110	76	390399	56.844	ug/l	100
18) Methyl Acetate	4.391	43	68126	54.317	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	296740	54.490	ug/l	99
20) Methylene Chloride	4.622	84	122238	53.332	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	131418	55.526	ug/l	96
22) Diisopropyl ether	6.025	45	419889	55.951	ug/l	99
23) Vinyl Acetate	5.964	43	1169883	275.244	ug/l	100
24) 1,1-Dichloroethane	5.921	63	244246	55.556	ug/l	98
25) 2-Butanone	6.896	43	169240	247.034	ug/l	99
26) 2,2-Dichloropropane	6.890	77	219802	52.887	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	149031	54.730	ug/l	100
28) Bromochloromethane	7.250	49	88572	59.728	ug/l	99
29) Tetrahydrofuran	7.268	42	113384	262.171	ug/l	100
30) Chloroform	7.427	83	250397	57.517	ug/l	98
31) Cyclohexane	7.707	56	221311	52.647	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	224446	55.569	ug/l	100
36) 1,1-Dichloropropene	7.841	75	182759	53.823	ug/l	99
37) Ethyl Acetate	6.988	43	80664	50.503	ug/l	99
38) Carbon Tetrachloride	7.823	117	204938	54.551	ug/l	97
39) Methylcyclohexane	9.109	83	237543	53.675	ug/l	98
40) Benzene	8.085	78	540984	54.354	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	44038	52.153	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	141108	53.455	ug/l	100
43) Isopropyl Acetate	8.195	43	159807	52.850	ug/l	99
44) Trichloroethene	8.866	130	132352	54.118	ug/l	98
45) 1,2-Dichloropropane	9.146	63	125765	54.066	ug/l	96
46) Dibromomethane	9.231	93	64580	52.532	ug/l	99
47) Bromodichloromethane	9.426	83	179372	54.016	ug/l	99
48) Methyl methacrylate	9.219	41	77215	53.715	ug/l	99
49) 1,4-Dioxane	9.231	88	14022	994.589	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	404285	253.299	ug/l	100
52) Toluene	10.170	92	339344	54.863	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	170796	55.198	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	202649	55.269	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	85539	52.628	ug/l	98
56) Ethyl methacrylate	10.438	69	129721	55.014	ug/l	98
57) 1,3-Dichloropropane	10.719	76	156953	54.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	256343	258.372	ug/l	99
59) 2-Hexanone	10.762	43	269419	262.911	ug/l	99
60) Dibromochloromethane	10.914	129	117491	54.051	ug/l	99
61) 1,2-Dibromoethane	11.018	107	80970	53.556	ug/l	99
64) Tetrachloroethene	10.646	164	116607	54.665	ug/l	97
65) Chlorobenzene	11.444	112	357020	56.304	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	121601	56.082	ug/l	99
67) Ethyl Benzene	11.518	91	655644	56.046	ug/l	98
68) m/p-Xylenes	11.627	106	483989	111.272	ug/l	100
69) o-Xylene	11.957	106	227073	55.953	ug/l	98
70) Styrene	11.969	104	380019	56.046	ug/l	99
71) Bromoform	12.133	173	66448	54.507	ug/l #	99
73) Isopropylbenzene	12.255	105	619007	57.082	ug/l	100
74) N-amyl acetate	12.072	43	142658	56.212	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95566	54.292	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	74171m	57.458	ug/l	
77) Bromobenzene	12.536	156	129556	54.846	ug/l	98
78) n-propylbenzene	12.597	91	736385	56.363	ug/l	100
79) 2-Chlorotoluene	12.682	91	413534	56.258	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	495961	56.365	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	35174	57.195	ug/l	99
82) 4-Chlorotoluene	12.780	91	426293	55.900	ug/l	99
83) tert-Butylbenzene	12.999	119	443445	55.648	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	486708	56.391	ug/l	98
85) sec-Butylbenzene	13.176	105	646469	55.795	ug/l	100
86) p-Isopropyltoluene	13.292	119	537317	56.247	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	255653	54.826	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	251527	54.463	ug/l	99
89) n-Butylbenzene	13.621	91	513421	56.710	ug/l	99
90) Hexachloroethane	13.883	117	105978	55.981	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	221550	54.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14761	51.651	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	139170	56.949	ug/l	99
94) Hexachlorobutadiene	15.029	225	91388	57.205	ug/l	99
95) Naphthalene	15.151	128	241249	57.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	117769	57.038	ug/l	100

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

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