

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
 Data File : VY018161.D
 Acq On : 06 May 2024 16:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 07 01:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 05/07/2024
 Supervised By :Semsettin Yesilyurt 05/07/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	246079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	409399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85839	44.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.500%		
35) Dibromofluoromethane	7.710	113	105183	44.707	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.420%		
50) Toluene-d8	10.179	98	411491	44.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.600%		
62) 4-Bromofluorobenzene	12.483	95	128100	40.527	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	96109	48.928	ug/l	100
3) Chloromethane	2.113	50	137543	53.590	ug/l	98
4) Vinyl Chloride	2.247	62	160500	57.799	ug/l	97
5) Bromomethane	2.650	94	113119	65.997	ug/l	99
6) Chloroethane	2.790	64	104160	60.230	ug/l	99
7) Trichlorofluoromethane	3.119	101	185285	50.119	ug/l	96
8) Diethyl Ether	3.521	74	60493	50.962	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	116792	50.623	ug/l	97
10) Methyl Iodide	4.082	142	155075	50.714	ug/l	98
11) Tert butyl alcohol	4.942	59	35088	221.952	ug/l #	77
12) 1,1-Dichloroethene	3.863	96	122149	51.921	ug/l	94
13) Acrolein	3.723	56	40595	172.527	ug/l	96
14) Allyl chloride	4.466	41	162947	52.387	ug/l	97
15) Acrylonitrile	5.149	53	114107	255.920	ug/l	99
16) Acetone	3.936	43	88036	238.245	ug/l	92
17) Carbon Disulfide	4.186	76	365241	51.993	ug/l	99
18) Methyl Acetate	4.472	43	45464	48.041	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	256297	47.475	ug/l	99
20) Methylene Chloride	4.710	84	130809	50.518	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	133573	53.409	ug/l	94
22) Diisopropyl ether	6.106	45	322316	50.313	ug/l	96
23) Vinyl Acetate	6.051	43	963581	237.152	ug/l	99
24) 1,1-Dichloroethane	6.009	63	204955	52.983	ug/l	99
25) 2-Butanone	6.978	43	129883	225.935	ug/l	100
26) 2,2-Dichloropropane	6.972	77	182967	50.575	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	155992	52.302	ug/l	96
28) Bromochloromethane	7.326	49	69195	44.262	ug/l	93
29) Tetrahydrofuran	7.338	42	83506	228.496	ug/l	97
30) Chloroform	7.502	83	213967	52.271	ug/l	99
31) Cyclohexane	7.783	56	182285	49.046	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	186079	49.804	ug/l	98
36) 1,1-Dichloropropene	7.911	75	156313	49.773	ug/l	98
37) Ethyl Acetate	7.069	43	60336	44.148	ug/l #	97
38) Carbon Tetrachloride	7.893	117	167452	46.977	ug/l	100
39) Methylcyclohexane	9.179	83	221693	48.061	ug/l	97
40) Benzene	8.155	78	508529	50.392	ug/l	96

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41) Methacrylonitrile	7.301	41	36464m	45.243	ug/l	
42) 1,2-Dichloroethane	8.228	62	107296	45.894	ug/l	97
43) Isopropyl Acetate	8.270	43	120567	41.991	ug/l	97
44) Trichloroethene	8.935	130	137870	48.176	ug/l	98
45) 1,2-Dichloropropane	9.215	63	110416	50.149	ug/l	97
46) Dibromomethane	9.301	93	60316	45.057	ug/l	94
47) Bromodichloromethane	9.496	83	154895	47.132	ug/l	97
48) Methyl methacrylate	9.289	41	54665	41.592	ug/l	93
49) 1,4-Dioxane	9.289	88	14932	1005.400	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	295256	210.547	ug/l	96
52) Toluene	10.240	92	325233	48.696	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	142749	44.955	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	177541	47.592	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	82727	45.947	ug/l	96
56) Ethyl methacrylate	10.508	69	109199	42.897	ug/l #	90
57) 1,3-Dichloropropane	10.788	76	135174	46.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	268938	226.317	ug/l	94
59) 2-Hexanone	10.831	43	206597	206.416	ug/l	96
60) Dibromochloromethane	10.983	129	109655	44.840	ug/l	99
61) 1,2-Dibromoethane	11.087	107	77197	44.744	ug/l	99
64) Tetrachloroethene	10.721	164	117683	45.876	ug/l	99
65) Chlorobenzene	11.514	112	358890	47.980	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	114203	45.388	ug/l	98
67) Ethyl Benzene	11.593	91	603891	48.143	ug/l	95
68) m/p-Xylenes	11.703	106	485738	96.642	ug/l	95
69) o-Xylene	12.032	106	233152	48.287	ug/l	93
70) Styrene	12.044	104	383363	47.174	ug/l	98
71) Bromoform	12.209	173	60682	41.155	ug/l #	98
73) Isopropylbenzene	12.331	105	583977	49.817	ug/l	97
74) N-ethyl acetate	12.142	43	109463	42.545	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	84434	45.266	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	58132m	44.472	ug/l	
77) Bromobenzene	12.611	156	136425	48.978	ug/l	90
78) n-propylbenzene	12.672	91	684437	50.703	ug/l	97
79) 2-Chlorotoluene	12.757	91	372449	48.581	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	463771	49.088	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	31048	43.271	ug/l	98
82) 4-Chlorotoluene	12.855	91	377113	48.003	ug/l	96
83) tert-Butylbenzene	13.075	119	428173	49.502	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	453766	49.027	ug/l	97
85) sec-Butylbenzene	13.251	105	621167	50.044	ug/l	97
86) p-Isopropyltoluene	13.367	119	520487	50.317	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	259691	48.745	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	253637	48.304	ug/l	99
89) n-Butylbenzene	13.696	91	467855	51.108	ug/l	98
90) Hexachloroethane	13.958	117	101551	48.321	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	222798	47.993	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11074	39.357	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	127188	49.022	ug/l	99
94) Hexachlorobutadiene	15.111	225	72958	50.801	ug/l	99
95) Naphthalene	15.239	128	218411	45.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	103063	47.605	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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TIC: VY018161.D\data.ms

Abundance

Time-->

2,3-Dichlorobutadiene, T

1,1-Dichloropropene, T

Benzene, TM

1,4-Difluorobenzene, I

Methycyclohexane, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

Tetracloroethene, T

Chlorobenzene, PM

1,1-Ethyl-2-chloroethane, T

m/p-Xylenes, T

o-Xylene, T

Styrene, T

Isopropylbenzene, T

n-propylbenzene, T

1,3,5-trimethylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

p-tert-butyltoluene, T

n-Butylbenzene, T

Hexachloroethane, T

1,2-Dichlorobenzene, I

Hexachlorobutadiene, T