

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018300.D
 Acq On : 17 May 2024 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/20/2024
 Supervised By :Semsettin Yesilyurt 05/20/2024

Quant Time: May 18 00:45:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	175838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	303892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	260611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	66228	51.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.400%			
35) Dibromofluoromethane	7.710	113	74075	46.381	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.760%			
50) Toluene-d8	10.179	98	284962	45.278	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.560%			
62) 4-Bromofluorobenzene	12.477	95	86525	42.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	62574	44.873	ug/l	99
3) Chloromethane	2.107	50	95571	51.199	ug/l	99
4) Vinyl Chloride	2.247	62	113759	50.273	ug/l	96
5) Bromomethane	2.643	94	77362	49.228	ug/l	100
6) Chloroethane	2.784	64	75338	52.461	ug/l	95
7) Trichlorofluoromethane	3.113	101	125366	47.299	ug/l	97
8) Diethyl Ether	3.521	74	41327	47.364	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	79331	46.963	ug/l	96
10) Methyl Iodide	4.082	142	88932	45.085	ug/l	99
11) Tert butyl alcohol	4.936	59	31494	278.345	ug/l #	79
12) 1,1-Dichloroethene	3.863	96	79888	46.979	ug/l	96
13) Acrolein	3.722	56	28079	221.610	ug/l	99
14) Allyl chloride	4.466	41	113709	52.562	ug/l	96
15) Acrylonitrile	5.149	53	88629	264.135	ug/l	100
16) Acetone	3.936	43	77769	301.258	ug/l	92
17) Carbon Disulfide	4.186	76	221339	47.811	ug/l	99
18) Methyl Acetate	4.472	43	37075	50.418	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	188928	49.875	ug/l	98
20) Methylene Chloride	4.710	84	87286	47.837	ug/l	98
21) trans-1,2-Dichloroethene	5.204	96	87328	48.446	ug/l	94
22) Diisopropyl ether	6.112	45	229673	50.048	ug/l	96
23) Vinyl Acetate	6.051	43	711499	255.088	ug/l	98
24) 1,1-Dichloroethane	6.003	63	140717	49.785	ug/l	99
25) 2-Butanone	6.978	43	108418	262.737	ug/l	97
26) 2,2-Dichloropropane	6.978	77	124977	48.854	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	101701	47.741	ug/l	99
28) Bromochloromethane	7.325	49	54616	48.344	ug/l	98
29) Tetrahydrofuran	7.344	42	68609	251.883	ug/l	94
30) Chloroform	7.502	83	144757	49.058	ug/l	98
31) Cyclohexane	7.777	56	121410	48.167	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	129600	49.003	ug/l	99
36) 1,1-Dichloropropene	7.911	75	105572	46.111	ug/l	100
37) Ethyl Acetate	7.063	43	47011	48.785	ug/l	99
38) Carbon Tetrachloride	7.892	117	113974	45.558	ug/l	96
39) Methylcyclohexane	9.179	83	144121	43.633	ug/l	100
40) Benzene	8.155	78	343034	46.579	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	29717m	53.403	ug/l	
42) 1,2-Dichloroethane	8.234	62	78397	48.925	ug/l	98
43) Isopropyl Acetate	8.270	43	96230	48.719	ug/l	94
44) Trichloroethene	8.935	130	88585	44.186	ug/l	96
45) 1,2-Dichloropropane	9.209	63	73719	45.786	ug/l	99
46) Dibromomethane	9.301	93	42351	45.755	ug/l	99
47) Bromodichloromethane	9.496	83	109016	47.641	ug/l	98
48) Methyl methacrylate	9.289	41	43248	47.773	ug/l	91
49) 1,4-Dioxane	9.301	88	11077	901.573	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	242357	244.124	ug/l	94
52) Toluene	10.240	92	215466	45.446	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	98429	46.051	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	121351	46.447	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	58423	45.947	ug/l	97
56) Ethyl methacrylate	10.508	69	79230	45.880	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	98635	47.663	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	236997	287.406	ug/l	96
59) 2-Hexanone	10.831	43	173687	250.217	ug/l	91
60) Dibromochloromethane	10.983	129	74657	45.255	ug/l	99
61) 1,2-Dibromoethane	11.087	107	54966	45.895	ug/l	99
64) Tetrachloroethene	10.715	164	78016	44.962	ug/l	94
65) Chlorobenzene	11.514	112	234531	44.186	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	76797	44.730	ug/l	99
67) Ethyl Benzene	11.593	91	404202	45.102	ug/l	97
68) m/p-Xylenes	11.703	106	318887	89.979	ug/l	97
69) o-Xylene	12.026	106	151225	44.464	ug/l	98
70) Styrene	12.044	104	256712	45.198	ug/l	98
71) Bromoform	12.209	173	41216	43.387	ug/l #	97
73) Isopropylbenzene	12.331	105	394373	47.014	ug/l	99
74) N-amyl acetate	12.142	43	84769	48.680	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	61774	46.164	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	42810m	47.803	ug/l	
77) Bromobenzene	12.605	156	87915	45.621	ug/l	95
78) n-propylbenzene	12.672	91	457952	46.936	ug/l	98
79) 2-Chlorotoluene	12.757	91	251751	46.432	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	305809	46.233	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	20348	43.776	ug/l	95
82) 4-Chlorotoluene	12.855	91	253829	46.607	ug/l	98
83) tert-Butylbenzene	13.074	119	286856	47.017	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	301104	46.471	ug/l	99
85) sec-Butylbenzene	13.251	105	411784	46.013	ug/l	99
86) p-Isopropyltoluene	13.367	119	340247	46.215	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	171629	46.117	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	165556	45.632	ug/l	99
89) n-Butylbenzene	13.696	91	308550	46.309	ug/l	99
90) Hexachloroethane	13.958	117	64173	44.430	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	147229	46.027	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8209	45.053	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	81677	45.419	ug/l	99
94) Hexachlorobutadiene	15.111	225	44064	44.410	ug/l	98
95) Naphthalene	15.233	128	154861	46.996	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	67937	46.034	ug/l	99

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

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