Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
Data File : VY018341.D
Acq On : 20 May 2024 18:02
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024

Quant Time: May 21 01:29:02 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	163137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	302710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78231	65.184	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.360%			
35) Dibromofluoromethane	7.709	113	82178	51.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.179	98	313842	50.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.477	95	102352	50.556	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	53305	41.202	ug/l	97
3) Chloromethane	2.107	50	86057	49.691	ug/l	99
4) Vinyl Chloride	2.241	62	103732	49.411	ug/l	99
5) Bromomethane	2.637	94	68185	46.766	ug/l	96
6) Chloroethane	2.784	64	67704	50.815	ug/l	97
7) Trichlorofluoromethane	3.113	101	111468	45.330	ug/l	94
8) Diethyl Ether	3.521	74	39750	49.103	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.887	101	68307	43.585	ug/l	95
10) Methyl Iodide	4.082	142	80551	44.015	ug/l	99
11) Tert butyl alcohol	4.936	59	34646	332.351	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	67384	42.711	ug/l	94
13) Acrolein	3.716	56	36423	311.686	ug/l	99
14) Allyl chloride	4.460	41	100420	50.033	ug/l	95
15) Acrylonitrile	5.149	53	90764	291.557	ug/l	98
16) Acetone	3.930	43	79549	332.144	ug/l	92
17) Carbon Disulfide	4.186	76	178775	41.624	ug/l	99
18) Methyl Acetate	4.466	43	36691	53.780	ug/l	96
19) Methyl tert-butyl Ether	5.204	73	184670	52.547	ug/l	98
20) Methylene Chloride	4.698	84	83785	49.494	ug/l	95
21) trans-1,2-Dichloroethene	5.204	96	74778	44.714	ug/l	98
22) Diisopropyl ether	6.106	45	226305	53.153	ug/l	95
23) Vinyl Acetate	6.045	43	744395	287.660	ug/l	94
24) 1,1-Dichloroethane	6.002	63	131156	50.015	ug/l	98
25) 2-Butanone	6.978	43	117070	305.792	ug/l	90
26) 2,2-Dichloropropane	6.972	77	106222	44.755	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	91204	46.147	ug/l	97
28) Bromochloromethane	7.325	49	62233	59.375	ug/l	86
29) Tetrahydrofuran	7.338	42	78207	309.473	ug/l	91
30) Chloroform	7.496	83	135154	49.369	ug/l	95
31) Cyclohexane	7.770	56	112955	48.308	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	112088	45.681	ug/l	98
36) 1,1-Dichloropropene	7.911	75	95934	42.065	ug/l	98
37) Ethyl Acetate	7.063	43	53201	55.424	ug/l	97
38) Carbon Tetrachloride	7.892	117	95050	38.142	ug/l	97
39) Methylcyclohexane	9.179	83	128969	39.198	ug/l	97
40) Benzene	8.155	78	310673	42.349	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.307	41	29062m	52.430	ug/l		
42) 1,2-Dichloroethane	8.228	62	76407	47.870	ug/l		100
43) Isopropyl Acetate	8.264	43	103980	52.848	ug/l		92
44) Trichloroethene	8.935	130	76033	38.073	ug/l		97
45) 1,2-Dichloropropane	9.209	63	72643	45.294	ug/l		99
46) Dibromomethane	9.301	93	40844	44.299	ug/l		95
47) Bromodichloromethane	9.490	83	101904	44.707	ug/l		96
48) Methyl methacrylate	9.288	41	45194	50.118	ug/l		92
49) 1,4-Dioxane	9.288	88	11657	952.485	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.063	43	255219	258.084	ug/l		96
52) Toluene	10.240	92	193311	40.932	ug/l		97
53) t-1,3-Dichloropropene	10.459	75	90088	42.314	ug/l		91
54) cis-1,3-Dichloropropene	9.922	75	114810	44.115	ug/l	#	92
55) 1,1,2-Trichloroethane	10.642	97	56797	44.843	ug/l		97
56) Ethyl methacrylate	10.508	69	78691	45.746	ug/l	#	89
57) 1,3-Dichloropropane	10.788	76	94197	45.696	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.776	63	158533	193.004	ug/l		99
59) 2-Hexanone	10.825	43	173497	250.919	ug/l		94
60) Dibromochloromethane	10.983	129	68860	41.904	ug/l		100
61) 1,2-Dibromoethane	11.087	107	51568	43.226	ug/l		99
64) Tetrachloroethene	10.715	164	69101	39.306	ug/l		97
65) Chlorobenzene	11.514	112	205858	38.280	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.587	131	66918	38.470	ug/l		100
67) Ethyl Benzene	11.587	91	352815	38.857	ug/l		97
68) m/p-Xylenes	11.697	106	279285	77.781	ug/l		97
69) o-Xylene	12.026	106	133787	38.826	ug/l		97
70) Styrene	12.038	104	228811	39.762	ug/l		98
71) Bromoform	12.203	173	37703	39.173	ug/l	#	100
73) Isopropylbenzene	12.325	105	345643	37.195	ug/l		99
74) N-amyl acetate	12.142	43	85876	44.517	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.574	83	61931	41.778	ug/l		99
76) 1,2,3-Trichloropropane	12.629	75	48756m	49.145	ug/l		
77) Bromobenzene	12.605	156	80222	37.578	ug/l		97
78) n-propylbenzene	12.666	91	401542	37.150	ug/l		98
79) 2-Chlorotoluene	12.751	91	223864	37.271	ug/l		99
80) 1,3,5-Trimethylbenzene	12.806	105	274303	37.434	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.373	75	20626	40.056	ug/l		98
82) 4-Chlorotoluene	12.849	91	222847	36.936	ug/l		98
83) tert-Butylbenzene	13.074	119	253204	37.463	ug/l		98
84) 1,2,4-Trimethylbenzene	13.117	105	269828	37.592	ug/l		100
85) sec-Butylbenzene	13.251	105	361923	36.506	ug/l		99
86) p-Isopropyltoluene	13.367	119	304646	37.353	ug/l		98
87) 1,3-Dichlorobenzene	13.361	146	155411	37.695	ug/l		99
88) 1,4-Dichlorobenzene	13.440	146	152839	38.027	ug/l		98
89) n-Butylbenzene	13.696	91	278521	37.734	ug/l		99
90) Hexachloroethane	13.958	117	56119	35.073	ug/l		97
91) 1,2-Dichlorobenzene	13.733	146	136904	38.634	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	9029	44.731	ug/l		96
93) 1,2,4-Trichlorobenzene	15.001	180	78412	39.360	ug/l		98
94) Hexachlorobutadiene	15.105	225	39359	35.808	ug/l		97
95) Naphthalene	15.233	128	160831	44.058	ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	67783	41.460	ug/l		99

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

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

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