Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
Data File : VY007890.D
Acq On : 17 Mar 2022 21:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

Quant Time: Mar 18 08:58:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.789	168	283157	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.685	114	486332	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.490	117	435445	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211506	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.137	65	142438	44.119	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.240%				
35) Dibromofluoromethane	7.716	113	150226	43.984	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.960%				
50) Toluene-d8	10.179	98	510792	49.496	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.000%				
62) 4-Bromofluorobenzene	12.483	95	199945	40.790	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.580%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.906	85	92126	49.973	ug/l		97
3) Chloromethane	2.113	50	123372	54.622	ug/l		98
4) Vinyl Chloride	2.247	62	152299	53.421	ug/l		99
5) Bromomethane	2.650	94	113314	60.844	ug/l		99
6) Chloroethane	2.790	64	109329	47.214	ug/l		98
7) Trichlorofluoromethane	3.125	101	234108	45.094	ug/l		94
8) Diethyl Ether	3.528	74	92288	47.898	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.900	101	155474	46.365	ug/l		93
10) Methyl Iodide	4.089	142	154551	49.861	ug/l		88
11) Tert butyl alcohol	4.948	59	87763	233.340	ug/l	#	93
12) 1,1-Dichloroethene	3.869	96	137304	44.656	ug/l		82
13) Acrolein	3.729	56	24870	109.784	ug/l		97
14) Allyl chloride	4.479	41	233860	45.220	ug/l	#	92
15) Acrylonitrile	5.162	53	247908	241.430	ug/l		97
16) Acetone	3.942	43	175251	204.618	ug/l		90
17) Carbon Disulfide	4.192	76	290009	49.406	ug/l		98
18) Methyl Acetate	4.473	43	104599	51.484	ug/l	#	90
19) Methyl tert-butyl Ether	5.216	73	478322	49.595	ug/l		98
20) Methylene Chloride	4.716	84	185847	56.543	ug/l		86
21) trans-1,2-Dichloroethene	5.216	96	153926	44.718	ug/l		87
22) Diisopropyl ether	6.119	45	552567	49.664	ug/l	#	92
23) Vinyl Acetate	6.058	43	1802705	258.687	ug/l	#	92
24) 1,1-Dichloroethane	6.015	63	307956	49.140	ug/l		99
25) 2-Butanone	6.984	43	307532	224.168	ug/l	#	84
26) 2,2-Dichloropropane	6.978	77	263792	45.416	ug/l		93
27) cis-1,2-Dichloroethene	6.984	96	200843	48.611	ug/l		87
28) Bromochloromethane	7.332	49	128981	52.107	ug/l	#	83
29) Tetrahydrofuran	7.344	42	203027	230.969	ug/l	#	87
30) Chloroform	7.503	83	325791	50.295	ug/l		98
31) Cyclohexane	7.783	56	235964	50.294	ug/l		92
32) 1,1,1-Trichloroethane	7.698	97	281462	48.243	ug/l		96
36) 1,1-Dichloropropene	7.917	75	218302	43.093	ug/l		96
37) Ethyl Acetate	7.076	43	139728	45.204	ug/l	#	93
38) Carbon Tetrachloride	7.899	117	243855	45.048	ug/l		99
39) Methylcyclohexane	9.179	83	266153	47.259	ug/l		91
40) Benzene	8.155	78	667104	45.064	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.320	41	81023m	42.503	ug/l		
42) 1,2-Dichloroethane	8.234	62	201476	47.007	ug/l		91
43) Isopropyl Acetate	8.271	43	273162	45.840	ug/l	#	91
44) Trichloroethene	8.935	130	184808	45.147	ug/l		94
45) 1,2-Dichloropropane	9.216	63	178663	46.611	ug/l		94
46) Dibromomethane	9.301	93	104769	46.723	ug/l		96
47) Bromodichloromethane	9.496	83	261639	48.298	ug/l		98
48) Methyl methacrylate	9.289	41	119612	45.122	ug/l	#	87
49) 1,4-Dioxane	9.295	88	29453	927.450	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.069	43	720966	229.634	ug/l		91
52) Toluene	10.240	92	428934	45.118	ug/l		96
53) t-1,3-Dichloropropene	10.465	75	268025	46.380	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	299294	46.443	ug/l	#	86
55) 1,1,2-Trichloroethane	10.642	97	153609	47.152	ug/l		97
56) Ethyl methacrylate	10.508	69	217489	46.503	ug/l	#	81
57) 1,3-Dichloropropane	10.789	76	256600	47.233	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.783	63	527180	229.778	ug/l		94
59) 2-Hexanone	10.831	43	494909	220.431	ug/l		88
60) Dibromochloromethane	10.984	129	189719	48.624	ug/l		100
61) 1,2-Dibromoethane	11.087	107	146252	46.405	ug/l		100
64) Tetrachloroethene	10.715	164	147410	43.503	ug/l		96
65) Chlorobenzene	11.514	112	477871	45.812	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.587	131	190688	48.554	ug/l		97
67) Ethyl Benzene	11.593	91	841889	45.309	ug/l		97
68) m/p-Xylenes	11.703	106	652190	89.980	ug/l		94
69) o-Xylene	12.026	106	323576	46.153	ug/l		92
70) Styrene	12.044	104	556391	47.202	ug/l		95
71) Bromoform	12.209	173	118813	47.232	ug/l	#	99
73) Isopropylbenzene	12.331	105	849359	45.623	ug/l		99
74) N-amyl acetate	12.142	43	252462	45.964	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	186870	46.631	ug/l		99
76) 1,2,3-Trichloropropane	12.630	75	131694m	43.684	ug/l		
77) Bromobenzene	12.605	156	200492	47.127	ug/l		99
78) n-propylbenzene	12.672	91	1012888	45.056	ug/l		98
79) 2-Chlorotoluene	12.758	91	584522	46.214	ug/l		98
80) 1,3,5-Trimethylbenzene	12.813	105	700800	45.774	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.380	75	64065	44.636	ug/l	#	84
82) 4-Chlorotoluene	12.855	91	592424	45.088	ug/l		98
83) tert-Butylbenzene	13.075	119	644286	47.026	ug/l		95
84) 1,2,4-Trimethylbenzene	13.117	105	686798	45.762	ug/l		97
85) sec-Butylbenzene	13.252	105	940329	45.797	ug/l		99
86) p-Isopropyltoluene	13.367	119	761970	45.712	ug/l		98
87) 1,3-Dichlorobenzene	13.361	146	387256	46.608	ug/l		99
88) 1,4-Dichlorobenzene	13.447	146	389448	46.766	ug/l		99
89) n-Butylbenzene	13.697	91	725530	45.355	ug/l		98
90) Hexachloroethane	13.959	117	159018	47.795	ug/l		85
91) 1,2-Dichlorobenzene	13.739	146	357809	47.876	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30520	44.268	ug/l		81
93) 1,2,4-Trichlorobenzene	15.007	180	221438	46.871	ug/l		98
94) Hexachlorobutadiene	15.111	225	114170	45.297	ug/l		98
95) Naphthalene	15.233	128	511003	48.480	ug/l		98
96) 1,2,3-Trichlorobenzene	15.422	180	198975	47.751	ug/l		98

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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

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