Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
Data File : VD073823.D
Acq On : 11 Jul 2022 12:09
Operator : VA/SY
Sample : VSTDICC010
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 07/12/2022
Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 06:38:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 12 06:36:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	115565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	218594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	200745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	17297	11.960	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 23.920%#			
35) Dibromofluoromethane	7.903	113	14991	10.891	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 21.780%#			
50) Toluene-d8	10.332	98	56140	12.135	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 24.280%#			
62) 4-Bromofluorobenzene	12.620	95	21692	11.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 22.260%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	7639	9.849	ug/l	87
3) Chloromethane	2.209	50	10343	10.320	ug/l	98
4) Vinyl Chloride	2.344	62	12241	9.989	ug/l	92
5) Bromomethane	2.762	94	8706	9.063	ug/l	94
6) Chloroethane	2.921	64	9460	10.127	ug/l #	84
7) Trichlorofluoromethane	3.268	101	18322	9.674	ug/l	96
8) Diethyl Ether	3.703	74	5805	10.100	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	11496	9.762	ug/l	94
10) Methyl Iodide	4.285	142	6912	9.064	ug/l #	97
11) Tert butyl alcohol	5.173	59	25610	53.467	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	8706	9.439	ug/l	98
13) Acrolein	3.909	56	2334	33.346	ug/l	86
14) Allyl chloride	4.709	41	15834	9.077	ug/l	98
15) Acrylonitrile	5.409	53	15264	46.422	ug/l #	88
16) Acetone	4.156	43	14584	47.662	ug/l	100
17) Carbon Disulfide	4.403	76	14280	9.575	ug/l	97
18) Methyl Acetate	4.709	43	8102	8.259	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	31601	9.195	ug/l	91
20) Methylene Chloride	4.962	84	20449	7.805	ug/l	92
21) trans-1,2-Dichloroethene	5.462	96	9809	8.882	ug/l	98
22) Diisopropyl ether	6.350	45	42590	9.373	ug/l	93
23) Vinyl Acetate	6.297	43	108522	45.232	ug/l	99
24) 1,1-Dichloroethane	6.256	63	24917	9.850	ug/l	99
25) 2-Butanone	7.203	43	21611	47.302	ug/l	90
26) 2,2-Dichloropropane	7.197	77	22846	9.552	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	13906	9.011	ug/l	96
28) Bromochloromethane	7.532	49	9673	9.803	ug/l #	92
29) Tetrahydrofuran	7.556	42	11933	44.481	ug/l	99
30) Chloroform	7.703	83	25867	9.173	ug/l	99
31) Cyclohexane	7.973	56	18233	10.123	ug/l #	88
32) 1,1,1-Trichloroethane	7.897	97	21704	9.086	ug/l	97
36) 1,1-Dichloropropene	8.097	75	15929	9.449	ug/l	95
37) Ethyl Acetate	7.279	43	9683	9.770	ug/l #	76
38) Carbon Tetrachloride	8.085	117	17766	9.272	ug/l #	87
39) Methylcyclohexane	9.350	83	17791	10.267	ug/l	86
40) Benzene	8.338	78	46389	9.354	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.509	41	5862	10.149	ug/l	#	61
42) 1,2-Dichloroethane	8.409	62	16467	9.644	ug/l		98
43) Isopropyl Acetate	8.444	43	18005	8.975	ug/l		97
44) Trichloroethene	9.103	130	12483	9.463	ug/l		96
45) 1,2-Dichloropropane	9.379	63	13146	9.232	ug/l	#	87
46) Dibromomethane	9.467	93	7305	8.959	ug/l	#	87
47) Bromodichloromethane	9.650	83	20929	9.423	ug/l	#	98
48) Methyl methacrylate	9.444	41	8501	9.288	ug/l		95
49) 1,4-Dioxane	9.456	88	1679m	165.983	ug/l		
51) 4-Methyl-2-Pentanone	10.214	43	46641	44.540	ug/l		98
52) Toluene	10.391	92	31176	9.477	ug/l		99
53) t-1,3-Dichloropropene	10.608	75	18825	9.214	ug/l		96
54) cis-1,3-Dichloropropene	10.073	75	20694	9.134	ug/l		91
55) 1,1,2-Trichloroethane	10.791	97	10950	9.596	ug/l	#	89
56) Ethyl methacrylate	10.650	69	12312	8.453	ug/l		95
57) 1,3-Dichloropropane	10.932	76	19319	9.807	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.932	63	25061	43.749	ug/l		100
59) 2-Hexanone	10.973	43	31783	45.203	ug/l		96
60) Dibromochloromethane	11.132	129	12974	9.175	ug/l		91
61) 1,2-Dibromoethane	11.232	107	9400	8.913	ug/l		87
64) Tetrachloroethene	10.873	164	9916	9.966	ug/l		90
65) Chlorobenzene	11.655	112	34521	9.160	ug/l		91
66) 1,1,1,2-Tetrachloroethane	11.732	131	14100	9.682	ug/l		99
67) Ethyl Benzene	11.732	91	63648	9.268	ug/l		97
68) m/p-Xylenes	11.844	106	46436	17.926	ug/l		99
69) o-Xylene	12.167	106	22516	9.021	ug/l		99
70) Styrene	12.185	104	38688	8.854	ug/l		99
71) Bromoform	12.350	173	6402	8.632	ug/l	#	92
73) Isopropylbenzene	12.467	105	64773	9.750	ug/l		100
74) N-amyl acetate	12.273	43	16781	9.002	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	13484	9.816	ug/l		99
76) 1,2,3-Trichloropropane	12.773	75	9428m	9.601	ug/l		
77) Bromobenzene	12.744	156	13064	9.413	ug/l		99
78) n-propylbenzene	12.808	91	79233	9.457	ug/l		97
79) 2-Chlorotoluene	12.891	91	47546	10.045	ug/l		100
80) 1,3,5-Trimethylbenzene	12.944	105	51699	9.280	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.520	75	3522	8.432	ug/l		85
82) 4-Chlorotoluene	12.991	91	48951	9.844	ug/l		97
83) tert-Butylbenzene	13.208	119	44742	9.092	ug/l		97
84) 1,2,4-Trimethylbenzene	13.255	105	51857	9.398	ug/l		99
85) sec-Butylbenzene	13.385	105	72608	9.581	ug/l		94
86) p-Isopropyltoluene	13.502	119	56928	9.405	ug/l		99
87) 1,3-Dichlorobenzene	13.502	146	28301	9.719	ug/l		97
88) 1,4-Dichlorobenzene	13.585	146	27278	9.282	ug/l		96
89) n-Butylbenzene	13.826	91	56698	9.263	ug/l		98
90) Hexachloroethane	14.096	117	11268	9.330	ug/l		92
91) 1,2-Dichlorobenzene	13.873	146	24409	9.491	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	2272	10.017	ug/l		91
93) 1,2,4-Trichlorobenzene	15.143	180	14922	10.092	ug/l		93
94) Hexachlorobutadiene	15.255	225	7145	10.012	ug/l		96
95) Naphthalene	15.385	128	30800	9.340	ug/l		98
96) 1,2,3-Trichlorobenzene	15.573	180	12214	9.400	ug/l		93

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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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