Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042722\
Data File : VD072716.D
Acq On : 27 Apr 2022 14:24
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 27 14:31:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 27 14:17:18 2022
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	358711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	615595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	582771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	271785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	710703	164.717	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 329.440%#			
35) Dibromofluoromethane	7.908	113	631309	137.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 275.300%#			
50) Toluene-d8	10.332	98	2411429	151.113	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 302.220%#			
62) 4-Bromofluorobenzene	12.620	95	880512	140.818	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 281.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	762119	254.416	ug/l	98
3) Chloromethane	2.215	50	846758	293.306	ug/l	96
4) Vinyl Chloride	2.350	62	769777	265.491	ug/l	99
5) Bromomethane	2.744	94	458627	217.845	ug/l	94
6) Chloroethane	2.909	64	463042	232.714	ug/l	100
7) Trichlorofluoromethane	3.267	101	1259653	206.382	ug/l	98
8) Diethyl Ether	3.709	74	358920	193.956	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	709542	177.464	ug/l	99
10) Methyl Iodide	4.297	142	877214	264.698	ug/l	99
11) Tert butyl alcohol	5.220	59	204030	838.763	ug/l	100
12) 1,1-Dichloroethene	4.067	96	678255	212.343	ug/l	95
13) Acrolein	3.920	56	277245	1849.367	ug/l	96
14) Allyl chloride	4.714	41	1192719	229.586	ug/l	95
15) Acrylonitrile	5.414	53	814899	882.927	ug/l	99
16) Acetone	4.156	43	677252	837.509	ug/l	95
17) Carbon Disulfide	4.409	76	2249664	348.618	ug/l	99
18) Methyl Acetate	4.714	43	399494	172.016	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	1651439	177.175	ug/l	98
20) Methylene Chloride	4.961	84	825180	164.210	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	773116	215.050	ug/l	95
22) Diisopropyl ether	6.361	45	2405536	186.245	ug/l	96
23) Vinyl Acetate	6.303	43	6856986	1079.682	ug/l	96
24) 1,1-Dichloroethane	6.261	63	1396420	181.072	ug/l	99
25) 2-Butanone	7.208	43	1046980	929.071	ug/l	95
26) 2,2-Dichloropropane	7.202	77	1226896	181.628	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	868179	181.114	ug/l	95
28) Bromochloromethane	7.544	49	530920	158.777	ug/l	89
29) Tetrahydrofuran	7.561	42	675414	980.037	ug/l	95
30) Chloroform	7.708	83	1419624	165.389	ug/l	99
31) Cyclohexane	7.979	56	1313361	229.573	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	1283823	177.895	ug/l	96
36) 1,1-Dichloropropene	8.108	75	1100558	200.711	ug/l	97
37) Ethyl Acetate	7.291	43	483687	188.711	ug/l	98
38) Carbon Tetrachloride	8.097	117	1118733	177.390	ug/l	99
39) Methylcyclohexane	9.349	83	1392073	231.679	ug/l	100
40) Benzene	8.349	78	3045881	186.952	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.520	41	275088	192.885	ug/l		91
42) 1,2-Dichloroethane	8.420	62	917244	181.843	ug/l		99
43) Isopropyl Acetate	8.449	43	935458	191.406	ug/l		97
44) Trichloroethene	9.108	130	806128	176.768	ug/l		95
45) 1,2-Dichloropropane	9.379	63	769534	169.380	ug/l		98
46) Dibromomethane	9.467	93	428640	178.018	ug/l		99
47) Bromodichloromethane	9.655	83	1105592	161.903	ug/l		99
48) Methyl methacrylate	9.449	41	486636	202.378	ug/l		95
49) 1,4-Dioxane	9.461	88	89080	3096.856	ug/l		97
51) 4-Methyl-2-Pentanone	10.220	43	2330633	893.294	ug/l		95
52) Toluene	10.396	92	1949461	181.507	ug/l		98
53) t-1,3-Dichloropropene	10.614	75	1050336	176.323	ug/l		99
54) cis-1,3-Dichloropropene	10.085	75	1204025	170.898	ug/l		93
55) 1,1,2-Trichloroethane	10.791	97	555579	154.654	ug/l		98
56) Ethyl methacrylate	10.655	69	760159	186.351	ug/l		91
57) 1,3-Dichloropropane	10.938	76	990349	165.186	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.932	63	1912295	1024.722	ug/l		98
59) 2-Hexanone	10.979	43	1634338	921.399	ug/l		97
60) Dibromochloromethane	11.132	129	715526	155.173	ug/l		97
61) 1,2-Dibromoethane	11.238	107	555151	171.469	ug/l		99
64) Tetrachloroethene	10.867	164	634792	172.607	ug/l		97
65) Chlorobenzene	11.661	112	2022817	161.308	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.732	131	756340	151.535	ug/l		98
67) Ethyl Benzene	11.738	91	3809716	174.449	ug/l		99
68) m/p-Xylenes	11.843	106	2849506	343.150	ug/l		99
69) o-Xylene	12.173	106	1365779	170.372	ug/l		98
70) Styrene	12.185	104	2327080	165.407	ug/l		99
71) Bromoform	12.349	173	388133	145.590	ug/l	#	99
73) Isopropylbenzene	12.467	105	3599181	171.203	ug/l		100
74) N-amyl acetate	12.279	43	894740	193.025	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.720	83	608475	147.976	ug/l		99
76) 1,2,3-Trichloropropane	12.773	75	485753m	163.561	ug/l		
77) Bromobenzene	12.749	156	779029	162.719	ug/l		98
78) n-propylbenzene	12.808	91	4428388	173.511	ug/l		100
79) 2-Chlorotoluene	12.896	91	2500425	167.263	ug/l		100
80) 1,3,5-Trimethylbenzene	12.949	105	2982534	164.941	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.514	75	208781	174.615	ug/l		93
82) 4-Chlorotoluene	12.996	91	2582392	164.925	ug/l		100
83) tert-Butylbenzene	13.214	119	2553551	164.187	ug/l		99
84) 1,2,4-Trimethylbenzene	13.255	105	2927433	164.864	ug/l		100
85) sec-Butylbenzene	13.390	105	3818364	163.645	ug/l		99
86) p-Isopropyltoluene	13.502	119	3135143	163.778	ug/l		99
87) 1,3-Dichlorobenzene	13.502	146	1524542	154.451	ug/l		99
88) 1,4-Dichlorobenzene	13.585	146	1488991	149.721	ug/l		100
89) n-Butylbenzene	13.826	91	3068220	168.080	ug/l		99
90) Hexachloroethane	14.096	117	601554	152.997	ug/l		97
91) 1,2-Dichlorobenzene	13.873	146	1316278	151.534	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	99721	162.877	ug/l		94
93) 1,2,4-Trichlorobenzene	15.143	180	806848	150.953	ug/l		99
94) Hexachlorobutadiene	15.249	225	418219	141.092	ug/l		98
95) Naphthalene	15.384	128	1593880	152.559	ug/l		99
96) 1,2,3-Trichlorobenzene	15.573	180	692644	148.180	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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