Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
Data File : VY008778.D
Acq On : 17 May 2022 17:10
Operator : KP/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 18 02:24:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 02:20:50 2022
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	183218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	258424	128.171	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 256.340%#			
35) Dibromofluoromethane	7.716	113	259028	146.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 293.520%#			
50) Toluene-d8	10.179	98	1136265	166.981	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 333.960%#			
62) 4-Bromofluorobenzene	12.483	95	406984	168.549	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 337.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	155861	105.182	ug/l	99
3) Chloromethane	2.113	50	206535	99.639	ug/l	95
4) Vinyl Chloride	2.247	62	321041	128.181	ug/l	98
5) Bromomethane	2.619	94	310185	160.597	ug/l	100
6) Chloroethane	2.778	64	253552	151.608	ug/l	99
7) Trichlorofluoromethane	3.119	101	337545	108.687	ug/l	94
8) Diethyl Ether	3.527	74	101180	92.765	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	210038	107.007	ug/l	94
10) Methyl Iodide	4.082	142	277205	141.249	ug/l	91
11) Tert butyl alcohol	4.954	59	128396	643.321	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	197734	107.947	ug/l	82
13) Acrolein	3.729	56	40879	216.139	ug/l	97
14) Allyl chloride	4.472	41	318410	106.768	ug/l #	94
15) Acrylonitrile	5.155	53	389956	666.464	ug/l	98
16) Acetone	3.942	43	256728	511.852	ug/l	92
17) Carbon Disulfide	4.186	76	559951	107.825	ug/l	99
18) Methyl Acetate	4.472	43	167819	108.161	ug/l #	86
19) Methyl tert-butyl Ether	5.216	73	627327	113.674	ug/l	95
20) Methylene Chloride	4.710	84	239091	102.315	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	271243	126.342	ug/l	86
22) Diisopropyl ether	6.112	45	726881	114.980	ug/l #	95
23) Vinyl Acetate	6.057	43	2597182	647.465	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	444777	118.535	ug/l	98
25) 2-Butanone	6.984	43	498331	644.968	ug/l #	82
26) 2,2-Dichloropropane	6.978	77	427183	123.136	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	303060	124.194	ug/l	86
28) Bromochloromethane	7.332	49	168735	115.419	ug/l #	73
29) Tetrahydrofuran	7.344	42	344523	691.695	ug/l #	79
30) Chloroform	7.502	83	489699	125.604	ug/l	99
31) Cyclohexane	7.783	56	380254	105.678	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	452479	128.462	ug/l	95
36) 1,1-Dichloropropene	7.917	75	375462	138.019	ug/l	96
37) Ethyl Acetate	7.069	43	216771	142.617	ug/l #	92
38) Carbon Tetrachloride	7.899	117	410806	145.561	ug/l	99
39) Methylcyclohexane	9.179	83	469960	133.404	ug/l	88
40) Benzene	8.155	78	1075966	139.105	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	124744m	153.432	ug/l		
42) 1,2-Dichloroethane	8.234	62	300147	132.557	ug/l		91
43) Isopropyl Acetate	8.270	43	382151	130.504	ug/l	#	90
44) Trichloroethene	8.935	130	293140	140.716	ug/l		98
45) 1,2-Dichloropropane	9.215	63	249555	128.144	ug/l		97
46) Dibromomethane	9.301	93	166749	141.702	ug/l		97
47) Bromodichloromethane	9.496	83	373540	136.121	ug/l		99
48) Methyl methacrylate	9.289	41	175081	137.058	ug/l	#	84
49) 1,4-Dioxane	9.295	88	55038	3448.225	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.069	43	1149414	764.006	ug/l	#	86
52) Toluene	10.240	92	794980	158.242	ug/l		94
53) t-1,3-Dichloropropene	10.465	75	419063	144.898	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	436328	134.365	ug/l	#	84
55) 1,1,2-Trichloroethane	10.642	97	242148	146.666	ug/l		97
56) Ethyl methacrylate	10.508	69	327137	146.981	ug/l	#	76
57) 1,3-Dichloropropane	10.788	76	373455	134.055	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.782	63	803993	771.663	ug/l		92
59) 2-Hexanone	10.831	43	818867	758.808	ug/l		82
60) Dibromochloromethane	10.983	129	304734	158.749	ug/l		100
61) 1,2-Dibromoethane	11.087	107	245640	153.271	ug/l		100
64) Tetrachloroethene	10.721	164	255672	137.978	ug/l		98
65) Chlorobenzene	11.514	112	822544	142.696	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.593	131	322119	154.160	ug/l		97
67) Ethyl Benzene	11.593	91	1541843	147.926	ug/l		97
68) m/p-Xylenes	11.703	106	1247270	309.379	ug/l		90
69) o-Xylene	12.032	106	587065	152.447	ug/l		89
70) Styrene	12.044	104	1018777	159.205	ug/l		93
71) Bromoform	12.209	173	233598	182.086	ug/l	#	99
73) Isopropylbenzene	12.331	105	1628046	132.971	ug/l		99
74) N-amyl acetate	12.142	43	345238	104.400	ug/l	#	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	333105	133.497	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	246783m	134.152	ug/l		
77) Bromobenzene	12.611	156	370815	138.374	ug/l		91
78) n-propylbenzene	12.672	91	1915727	129.644	ug/l		97
79) 2-Chlorotoluene	12.757	91	1052956	127.723	ug/l		95
80) 1,3,5-Trimethylbenzene	12.812	105	1307419	130.319	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.380	75	123117	137.686	ug/l	#	79
82) 4-Chlorotoluene	12.855	91	1098036	129.243	ug/l		96
83) tert-Butylbenzene	13.075	119	1187884	132.626	ug/l		92
84) 1,2,4-Trimethylbenzene	13.123	105	1281335	128.292	ug/l		96
85) sec-Butylbenzene	13.257	105	1783032	133.223	ug/l		98
86) p-Isopropyltoluene	13.367	119	1496486	137.383	ug/l		97
87) 1,3-Dichlorobenzene	13.367	146	765423	142.091	ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	748291	138.626	ug/l		98
89) n-Butylbenzene	13.696	91	1340898	128.124	ug/l		97
90) Hexachloroethane	13.958	117	272345	127.476	ug/l		88
91) 1,2-Dichlorobenzene	13.739	146	674872	139.917	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	56990	140.103	ug/l		71
93) 1,2,4-Trichlorobenzene	15.007	180	390166	139.192	ug/l		99
94) Hexachlorobutadiene	15.111	225	203221	138.964	ug/l		99
95) Naphthalene	15.239	128	916173	121.532	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	344408	140.091	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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