Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
Data File : VY008032.D
Acq On : 25 Mar 2022 17:45
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 17:58:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 17:52:46 2022
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	205556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	275940	98.715	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 197.420%#			
35) Dibromofluoromethane	7.716	113	315098	144.877	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.760%#			
50) Toluene-d8	10.179	98	1122841	142.225	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 284.460%#			
62) 4-Bromofluorobenzene	12.483	95	382305	127.812	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 255.620%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	280856	118.474	ug/l	100
3) Chloromethane	2.113	50	290855	91.171	ug/l	95
4) Vinyl Chloride	2.247	62	386191	103.849	ug/l	97
5) Bromomethane	2.625	94	295691	98.586	ug/l	98
6) Chloroethane	2.784	64	267821	110.347	ug/l	96
7) Trichlorofluoromethane	3.119	101	540887	120.030	ug/l	94
8) Diethyl Ether	3.527	74	173728	98.320	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.893	101	333649	119.546	ug/l	93
10) Methyl Iodide	4.088	142	418296	144.178	ug/l	90
11) Tert butyl alcohol	4.960	59	150387	440.373	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	305792	113.617	ug/l #	78
13) Acrolein	3.729	56	110539	379.317	ug/l	97
14) Allyl chloride	4.472	41	382657	86.499	ug/l #	89
15) Acrylonitrile	5.161	53	397293	412.933	ug/l	97
16) Acetone	3.948	43	320456	391.742	ug/l #	85
17) Carbon Disulfide	4.192	76	881332	106.936	ug/l	98
18) Methyl Acetate	4.472	43	167020	66.462	ug/l #	78
19) Methyl tert-butyl Ether	5.216	73	855708	96.672	ug/l	93
20) Methylene Chloride	4.710	84	332583	85.323	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	357562	112.206	ug/l #	79
22) Diisopropyl ether	6.118	45	778596	81.456	ug/l #	88
23) Vinyl Acetate	6.057	43	2651413	407.579	ug/l #	82
24) 1,1-Dichloroethane	6.015	63	546305	100.445	ug/l	97
25) 2-Butanone	6.984	43	478837	383.960	ug/l #	73
26) 2,2-Dichloropropane	6.978	77	538908	110.276	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	407832	110.135	ug/l	78
28) Bromochloromethane	7.332	49	138465	71.630	ug/l #	53
29) Tetrahydrofuran	7.344	42	306898	371.477	ug/l #	68
30) Chloroform	7.502	83	607977	105.251	ug/l	99
31) Cyclohexane	7.783	56	474796	92.839	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	580524	117.065	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	463776	125.941	ug/l	94
37) Ethyl Acetate	7.069	43	216795	90.377	ug/l #	88
38) Carbon Tetrachloride	7.899	117	542189	145.179	ug/l	99
39) Methylcyclohexane	9.179	83	622724	130.093	ug/l #	83
40) Benzene	8.161	78	1299952	120.336	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	118066m	44.097	ug/l		
42) 1,2-Dichloroethane	8.234	62	362909	108.926	ug/l		88
43) Isopropyl Acetate	8.270	43	413882	92.230	ug/l	#	82
44) Trichloroethene	8.935	130	405861	140.300	ug/l		99
45) 1,2-Dichloropropane	9.215	63	302085	109.515	ug/l		95
46) Dibromomethane	9.301	93	205746	115.870	ug/l		96
47) Bromodichloromethane	9.496	83	474925	121.127	ug/l		100
48) Methyl methacrylate	9.289	41	184008	94.487	ug/l	#	77
49) 1,4-Dioxane	9.295	88	58734	2303.554	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.069	43	1022902	446.156	ug/l	#	82
52) Toluene	10.240	92	860622	125.175	ug/l		94
53) t-1,3-Dichloropropene	10.465	75	486722	115.507	ug/l		100
54) cis-1,3-Dichloropropene	9.929	75	549460	116.878	ug/l	#	82
55) 1,1,2-Trichloroethane	10.642	97	289485	119.516	ug/l		96
56) Ethyl methacrylate	10.508	69	373039	107.707	ug/l	#	72
57) 1,3-Dichloropropane	10.788	76	458855	111.141	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.782	63	704217	479.550	ug/l	#	83
59) 2-Hexanone	10.831	43	719456	444.181	ug/l		79
60) Dibromochloromethane	10.983	129	373886	134.111	ug/l		100
61) 1,2-Dibromoethane	11.087	107	291860	120.158	ug/l		99
64) Tetrachloroethene	10.715	164	343227	152.873	ug/l		98
65) Chlorobenzene	11.514	112	968779	134.402	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.587	131	376771	143.907	ug/l		98
67) Ethyl Benzene	11.593	91	1657839	131.441	ug/l		94
68) m/p-Xylenes	11.703	106	1343758	273.014	ug/l		89
69) o-Xylene	12.026	106	643152	135.638	ug/l		88
70) Styrene	12.044	104	1049467	132.691	ug/l		94
71) Bromoform	12.209	173	246280	147.881	ug/l	#	98
73) Isopropylbenzene	12.331	105	1648939	135.374	ug/l		97
74) N-amyl acetate	12.142	43	347441	94.518	ug/l	#	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	316985	111.881	ug/l		99
76) 1,2,3-Trichloropropane	12.629	75	229380m	67.292	ug/l		
77) Bromobenzene	12.605	156	413046	143.188	ug/l		84
78) n-propylbenzene	12.672	91	1902422	129.305	ug/l		94
79) 2-Chlorotoluene	12.757	91	1063304	126.524	ug/l		92
80) 1,3,5-Trimethylbenzene	12.812	105	1351694	134.226	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.379	75	112400	114.853	ug/l	#	81
82) 4-Chlorotoluene	12.855	91	1081534	124.716	ug/l		93
83) tert-Butylbenzene	13.074	119	1227608	140.940	ug/l		91
84) 1,2,4-Trimethylbenzene	13.117	105	1318769	132.512	ug/l		95
85) sec-Butylbenzene	13.251	105	1742404	132.683	ug/l		96
86) p-Isopropyltoluene	13.367	119	1487758	138.407	ug/l		96
87) 1,3-Dichlorobenzene	13.367	146	788317	139.923	ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	778229	137.882	ug/l		98
89) n-Butylbenzene	13.696	91	1312801	127.667	ug/l		96
90) Hexachloroethane	13.958	117	297875	142.580	ug/l		92
91) 1,2-Dichlorobenzene	13.739	146	698298	136.963	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	53752	116.391	ug/l		61
93) 1,2,4-Trichlorobenzene	15.007	180	467220	154.310	ug/l		99
94) Hexachlorobutadiene	15.111	225	239998	164.804	ug/l		99
95) Naphthalene	15.239	128	1025033	139.014	ug/l		98
96) 1,2,3-Trichlorobenzene	15.422	180	407263	153.471	ug/l		98

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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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