Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061324\
Data File : VY018581.D
Acq On : 13 Jun 2024 17:58
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 14 06:50:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 06:38:50 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2024
Supervised By :Mahesh Dadoda 06/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.777	168	178492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	289976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	260391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	261107	145.298	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.600%#			
35) Dibromofluoromethane	7.704	113	277634	156.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 313.900%#			
50) Toluene-d8	10.173	98	1029489	151.338	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 302.680%#			
62) 4-Bromofluorobenzene	12.477	95	329139	153.226	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 306.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	195837	166.585	ug/l	99
3) Chloromethane	2.101	50	320901	132.537	ug/l	99
4) Vinyl Chloride	2.241	62	421221	140.480	ug/l	97
5) Bromomethane	2.613	94	306663	137.598	ug/l	97
6) Chloroethane	2.772	64	268366	136.627	ug/l	99
7) Trichlorofluoromethane	3.101	101	486566	150.692	ug/l	99
8) Diethyl Ether	3.509	74	139170	151.165	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.875	101	260153	154.205	ug/l	98
10) Methyl Iodide	4.070	142	302352	146.861	ug/l	95
11) Tert butyl alcohol	4.942	59	114680	354.781	ug/l #	84
12) 1,1-Dichloroethene	3.851	96	261887	154.468	ug/l	98
13) Acrolein	3.710	56	74087	712.920	ug/l	98
14) Allyl chloride	4.454	41	332576	145.506	ug/l	98
15) Acrylonitrile	5.143	53	287628	702.282	ug/l	99
16) Acetone	3.930	43	239384	654.750	ug/l	94
17) Carbon Disulfide	4.174	76	782747	147.695	ug/l	99
18) Methyl Acetate	4.460	43	131612	141.921	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	674811	149.210	ug/l	100
20) Methylene Chloride	4.698	84	293593	147.829	ug/l	98
21) trans-1,2-Dichloroethene	5.198	96	301082	156.001	ug/l	99
22) Diisopropyl ether	6.100	45	637748	123.596	ug/l #	88
23) Vinyl Acetate	6.039	43	2812158	754.258	ug/l	97
24) 1,1-Dichloroethane	5.997	63	482738	145.216	ug/l	98
25) 2-Butanone	6.966	43	366295	668.379	ug/l	96
26) 2,2-Dichloropropane	6.966	77	417598	149.103	ug/l	100
27) cis-1,2-Dichloroethene	6.966	96	354628	152.123	ug/l	99
28) Bromochloromethane	7.320	49	166938	122.521	ug/l	94
29) Tetrahydrofuran	7.338	42	222773	662.387	ug/l	98
30) Chloroform	7.490	83	533450	147.247	ug/l	100
31) Cyclohexane	7.771	56	382930	139.109	ug/l	94
32) 1,1,1-Trichloroethane	7.691	97	480991	156.279	ug/l	98
36) 1,1-Dichloropropene	7.905	75	381457	156.667	ug/l	99
37) Ethyl Acetate	7.064	43	161567	140.765	ug/l #	97
38) Carbon Tetrachloride	7.887	117	429572	168.166	ug/l	100
39) Methylcyclohexane	9.173	83	494925	165.894	ug/l	99
40) Benzene	8.149	78	1164498	154.645	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.295	41	84621	153.223 ug/l #	92
42) 1,2-Dichloroethane	8.228	62	296074	150.711 ug/l	99
43) Isopropyl Acetate	8.265	43	317714	148.305 ug/l	96
44) Trichloroethene	8.929	130	311846	158.180 ug/l	97
45) 1,2-Dichloropropane	9.209	63	256512	148.976 ug/l	99
46) Dibromomethane	9.295	93	168825	158.020 ug/l	98
47) Bromodichloromethane	9.490	83	405001	158.828 ug/l	98
48) Methyl methacrylate	9.283	41	148091	153.551 ug/l	96
49) 1,4-Dioxane	9.289	88	42974	3058.423 ug/l #	93
51) 4-Methyl-2-Pentanone	10.063	43	779341	690.639 ug/l	99
52) Toluene	10.240	92	729447	150.880 ug/l	97
53) t-1,3-Dichloropropene	10.459	75	358972	161.092 ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	434527	161.587 ug/l	97
55) 1,1,2-Trichloroethane	10.636	97	212240	149.358 ug/l	97
56) Ethyl methacrylate	10.502	69	278337	149.684 ug/l	95
57) 1,3-Dichloropropane	10.782	76	354810	150.310 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	709245	790.081 ug/l	95
59) 2-Hexanone	10.825	43	529499	669.888 ug/l	98
60) Dibromochloromethane	10.977	129	290344	164.479 ug/l	99
61) 1,2-Dibromoethane	11.081	107	204711	155.877 ug/l	100
64) Tetrachloroethene	10.715	164	301052	162.098 ug/l	98
65) Chlorobenzene	11.514	112	830237	154.344 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	292569	162.303 ug/l	97
67) Ethyl Benzene	11.587	91	1431753	153.399 ug/l	96
68) m/p-Xylenes	11.697	106	1150650	316.824 ug/l	98
69) o-Xylene	12.026	106	545197	156.106 ug/l	98
70) Styrene	12.038	104	915062	158.599 ug/l	99
71) Bromoform	12.203	173	170238	172.112 ug/l #	98
73) Isopropylbenzene	12.325	105	1368514	148.309 ug/l	98
74) N-amyl acetate	12.142	43	261362	138.321 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	218904	133.606 ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	135276m	110.530 ug/l	
77) Bromobenzene	12.605	156	337345	158.083 ug/l	89
78) n-propylbenzene	12.666	91	1564203	144.848 ug/l	97
79) 2-Chlorotoluene	12.752	91	871655	142.992 ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	1105954	151.227 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	71104	157.125 ug/l	96
82) 4-Chlorotoluene	12.849	91	889163	144.850 ug/l	95
83) tert-Butylbenzene	13.069	119	999080	147.607 ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1118163	152.975 ug/l	99
85) sec-Butylbenzene	13.251	105	1422899	147.397 ug/l	97
86) p-Isopropyltoluene	13.367	119	1275430	155.843 ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	669786	155.611 ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	629879	149.129 ug/l	99
89) n-Butylbenzene	13.690	91	1072840	145.438 ug/l	98
90) Hexachloroethane	13.959	117	231468	155.690 ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	564581	153.549 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	33354	140.587 ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	348398	170.077 ug/l	98
94) Hexachlorobutadiene	15.111	225	178208	169.315 ug/l	97
95) Naphthalene	15.233	128	657474	171.751 ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	295542	170.754 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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