Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072921\
Data File : VX023496.D
Acq On : 28 Jul 2021 16:35
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
MMDadoda
7/30/2021 6:17:26 PM

Quant Time: Jul 29 01:23:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X072921W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 29 01:17:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.910	128	39279	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	224452	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	207974	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	92055	30.667	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.233%			
60) 4-Bromofluorobenzene	11.085	95	100358	29.375	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.900%			
63) Toluene-d8	8.653	98	282417	29.698	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	349332	152.575	ug/l	97
3) Chloromethane	1.295	50	389353	141.528	ug/l	98
4) Vinyl Chloride	1.374	62	401793	142.716	ug/l	100
5) Bromomethane	1.599	94	206569	127.862	ug/l	96
6) Chloroethane	1.666	64	245261	135.746	ug/l	98
7) Trichlorofluoromethane	1.874	101	635151	158.216	ug/l	94
8) Diethyl Ether	2.136	74	227130	135.446	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	346317	150.390	ug/l	99
10) 1,1-Dichloroethene	2.313	96	340843	148.328	ug/l	94
11) Methyl Iodide	2.447	142	525404	218.914	ug/l	96
12) Methyl Acetate	2.715	43	512308	158.931	ug/l	99
13) Acrolein	2.239	56	278258	586.703	ug/l	99
14) Acrylonitrile	3.075	53	1128968	843.347	ug/l	98
15) Acetone	2.392	58	304684	760.658	ug/l	96
16) Carbon Disulfide	2.508	76	898490	147.560	ug/l	100
17) Allyl chloride	2.660	41	640558	156.927	ug/l	99
18) Methylene Chloride	2.788	84	392434	141.901	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	365408	146.699	ug/l	96
20) Diisopropyl ether	3.776	45	1288611	164.662	ug/l	89
21) 1,1-Dichloroethane	3.611	63	697733	152.366	ug/l	100
22) cis-1,2-Dichloroethene	4.495	96	432341	146.723	ug/l	96
23) tert-Butyl Alcohol	2.995	59	492313	771.201	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	1235298	163.261	ug/l	100
25) Chloroform	5.105	83	717001	153.198	ug/l	99
26) Cyclohexane	5.477	56	637641	164.829	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	530729	152.113	ug/l	99
30) 2-Butanone	4.574	43	1694062	835.371	ug/l	100
31) 2,2-Dichloropropane	4.483	77	576983	143.231	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	643665	156.492	ug/l	98
33) Carbon Tetrachloride	5.684	117	564849	162.959	ug/l	96
34) Benzene	6.044	78	1553142	146.202	ug/l	98
35) Methacrylonitrile	4.934	41	359239	168.323	ug/l	98
36) 1,2-Dichloroethane	6.099	62	594100	160.702	ug/l	99
37) Trichloroethene	7.129	130	424775	157.580	ug/l	97
38) Methylcyclohexane	7.385	83	670552	166.529	ug/l	100
39) 1,2-Dichloropropane	7.440	63	413971	155.530	ug/l	98
40) Dibromomethane	7.586	93	289242	156.743	ug/l	99
41) Bromodichloromethane	7.830	83	555950	153.926	ug/l	99
42) Vinyl Acetate	3.733	43	5732936	775.898	ug/l	99

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QLast Update : Thu Jul 29 01:17:39 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.733	43	656746	162.079	ug/l	100
44) Isopropyl Acetate	6.355	43	1076109	162.137	ug/l	100
45) 1,4-Dioxane	7.665	88	199686	3273.420	ug/l	97
46) Methyl methacrylate	7.702	41	514645	165.931	ug/l	97
47) n-amyl Acetate	10.848	43	888870	161.020	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	661890	162.713	ug/l	98
49) cis-1,3-Dichloropropene	8.373	75	688429	158.176	ug/l	97
50) 1,1,2-Trichloroethane	9.159	97	417014	157.259	ug/l	97
51) Ethyl methacrylate	9.122	69	689538	162.709	ug/l	98
52) 1,3-Dichloropropane	9.311	76	693405	151.228	ug/l	99
53) Dibromochloromethane	9.525	129	450436	172.466	ug/l	99
54) 1,2-Dibromoethane	9.616	107	453735	166.713	ug/l	100
55) 2-Chloroethyl vinyl ether	8.251	63	1643398	735.827	ug/l	99
56) Bromoform	10.805	173	316008	187.626	ug/l	98
58) 4-Methyl-2-Pentanone	8.586	43	3131359	739.469	ug/l	99
59) 2-Hexanone	9.439	43	2365932	746.630	ug/l	98
61) Tetrachloroethene	9.281	164	397141	164.015	ug/l	95
62) Toluene	8.726	91	1743778	147.434	ug/l	100
64) Chlorobenzene	10.086	112	1087260	152.657	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	409781	158.991	ug/l	100
66) Ethyl Benzene	10.195	91	1936347	149.118	ug/l	98
67) m/p-Xylenes	10.305	106	1485981	301.082	ug/l	99
68) o-Xylene	10.647	106	738009	154.346	ug/l	99
69) Styrene	10.659	104	1226599	153.129	ug/l	99
70) Isopropylbenzene	10.964	105	1911113	151.596	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.220	83	592377	142.974	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	535626m	143.416	ug/l	
73) Bromobenzene	11.201	156	458866	167.285	ug/l	95
74) n-propylbenzene	11.311	91	2224329	151.541	ug/l	99
75) 2-Chlorotoluene	11.372	91	1310053	150.623	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	1579914	150.250	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	220720	153.328	ug/l	94
78) 4-Chlorotoluene	11.457	91	1497918	150.164	ug/l	100
79) tert-butylbenzene	11.719	119	1537349	152.686	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	1540593	146.726	ug/l	99
81) sec-Butylbenzene	11.896	105	1979324	155.880	ug/l	99
82) p-Isopropyltoluene	12.012	119	1634541	154.087	ug/l	99
83) 1,3-Dichlorobenzene	11.976	146	845386	164.997	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	845616	165.033	ug/l	98
85) n-Butylbenzene	12.335	91	1480928	153.139	ug/l	100
86) Hexachloroethane	12.543	117	282971	163.276	ug/l	99
87) 1,2-Dichlorobenzene	12.341	146	804720	161.725	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	150746	166.181	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	539145	176.316	ug/l	99
90) Hexachlorobutadiene	13.725	225	225908	185.898	ug/l	98
91) Naphthalene	13.780	128	1853024	158.199	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	539191	178.271	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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