Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
Data File : VX022218.D
Acq On : 27 May 2021 00:56
Operator : JC/MD
Sample : VX0527WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS02

Manual Integrations APPROVED
MMDadoda
5/28/2021 2:34:36 PM

Quant Time: May 27 05:00:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 13 06:11:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.910	128	17346	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.769	114	94117	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.055	117	85966	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.964	65	39107	29.27	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.57%				
60) 4-Bromofluorobenzene	11.085	95	42879	30.06	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.20%				
63) Toluene-d8	8.653	98	117870	30.00	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.173	85	21011	20.52	ug/l		97
3) Chloromethane	1.294	50	21798	17.72	ug/l		95
4) Vinyl Chloride	1.374	62	23328	18.26	ug/l		99
5) Bromomethane	1.605	94	12909	17.96	ug/l		95
6) Chloroethane	1.685	64	14109	17.16	ug/l		100
7) Trichlorofluoromethane	1.886	101	32046	17.95	ug/l		99
8) Diethyl Ether	2.136	74	13261	17.32	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.331	101	19008	18.57	ug/l		99
10) 1,1-Dichloroethene	2.319	96	19508	18.92	ug/l		94
11) Methyl Iodide	2.453	142	19143	18.67	ug/l		97
12) Methyl Acetate	2.709	43	30666	21.51	ug/l		95
13) Acrolein	2.239	56	28595	129.34	ug/l		100
14) Acrylonitrile	3.075	53	59430	102.17	ug/l		98
15) Acetone	2.386	58	18723	107.81	ug/l		95
16) Carbon Disulfide	2.514	76	46605	16.52	ug/l		98
17) Allyl chloride	2.666	41	34066	18.75	ug/l		94
18) Methylene Chloride	2.794	84	24104	19.67	ug/l		96
19) trans-1,2-Dichloroethene	3.093	96	21053	18.79	ug/l		92
20) Diisopropyl ether	3.770	45	65512	19.13	ug/l		93
21) 1,1-Dichloroethane	3.617	63	39403	19.21	ug/l		97
22) cis-1,2-Dichloroethene	4.495	96	24888	18.90	ug/l		97
23) tert-Butyl Alcohol	2.977	59	30801	108.92	ug/l	#	100
24) Methyl tert-Butyl Ether	3.123	73	64409	19.19	ug/l		99
25) Chloroform	5.105	83	40261	19.36	ug/l		97
26) Cyclohexane	5.477	56	32152	18.99	ug/l	#	98
29) 1,1-Dichloropropene	5.702	75	29855	20.27	ug/l		97
30) 2-Butanone	4.568	43	91948	110.28	ug/l		99
31) 2,2-Dichloropropane	4.489	77	24307	14.04	ug/l		95
32) 1,1,1-Trichloroethane	5.397	97	33641	19.36	ug/l		98
33) Carbon Tetrachloride	5.684	117	27844	18.88	ug/l		89
34) Benzene	6.044	78	91230	20.30	ug/l		94
35) Methacrylonitrile	4.934	41	19650	22.02	ug/l		92
36) 1,2-Dichloroethane	6.092	62	32604	21.25	ug/l	#	88
37) Trichloroethene	7.129	130	22293	19.74	ug/l		97
38) Methylcyclohexane	7.385	83	32133	19.22	ug/l		99
39) 1,2-Dichloropropane	7.434	63	23064	20.55	ug/l		98
40) Dibromomethane	7.586	93	15449	19.78	ug/l		98
41) Bromodichloromethane	7.830	83	29769	19.10	ug/l	#	93
42) Vinyl Acetate	3.733	43	318009	102.13	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	4.733	43	35950	21.22	ug/l		99
44) Isopropyl Acetate	6.348	43	58911	21.08	ug/l		97
45) 1,4-Dioxane	7.665	88	11552	463.00	ug/l	#	100
46) Methyl methacrylate	7.702	41	26985	20.83	ug/l		97
47) n-amyl Acetate	10.848	43	49364	21.24	ug/l		99
48) t-1,3-Dichloropropene	8.982	75	31975	18.27	ug/l		93
49) cis-1,3-Dichloropropene	8.372	75	35110	18.69	ug/l		96
50) 1,1,2-Trichloroethane	9.159	97	23586	21.22	ug/l		96
51) Ethyl methacrylate	9.122	69	36894	20.58	ug/l		97
52) 1,3-Dichloropropane	9.311	76	40459	20.88	ug/l		100
53) Dibromochloromethane	9.525	129	20258	18.14	ug/l		100
54) 1,2-Dibromoethane	9.610	107	23367	20.47	ug/l		98
55) 2-Chloroethyl vinyl ether	8.244	63	87001	91.96	ug/l		98
56) Bromoform	10.805	173	12179	17.19	ug/l		99
58) 4-Methyl-2-Pentanone	8.580	43	184835	106.62	ug/l		99
59) 2-Hexanone	9.433	43	140236	109.23	ug/l		97
61) Tetrachloroethene	9.275	164	18915	19.40	ug/l		90
62) Toluene	8.720	91	97505	19.81	ug/l		99
64) Chlorobenzene	10.086	112	59253	20.13	ug/l		97
65) 1,1,1,2-Tetrachloroethane	10.165	131	20005	18.62	ug/l		99
66) Ethyl Benzene	10.195	91	110351	20.38	ug/l		99
67) m/p-Xylenes	10.305	106	80801	39.37	ug/l		99
68) o-Xylene	10.646	106	41106	20.57	ug/l		100
69) Styrene	10.659	104	66769	19.96	ug/l		99
70) Isopropylbenzene	10.963	105	105954	20.18	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.213	83	35925	20.75	ug/l		96
72) 1,2,3-Trichloropropane	11.244	75	31221m	20.35	ug/l		
73) Bromobenzene	11.201	156	22005	19.79	ug/l		95
74) n-propylbenzene	11.305	91	121173	19.80	ug/l		99
75) 2-Chlorotoluene	11.366	91	72559	20.02	ug/l		99
76) 1,3,5-Trimethylbenzene	11.457	105	87878	20.05	ug/l		100
77) t-1,4-Dichloro-2-butene	11.024	75	10168	16.35	ug/l		86
78) 4-Chlorotoluene	11.457	91	83065	19.91	ug/l		100
79) tert-butylbenzene	11.719	119	81118	19.35	ug/l		98
80) 1,2,4-Trimethylbenzene	11.756	105	87742	20.03	ug/l		97
81) sec-Butylbenzene	11.896	105	102996	19.55	ug/l		99
82) p-Isopropyltoluene	12.012	119	86253	19.53	ug/l		99
83) 1,3-Dichlorobenzene	11.975	146	41045	19.47	ug/l		99
84) 1,4-Dichlorobenzene	12.043	146	42024	19.87	ug/l		98
85) n-Butylbenzene	12.335	91	77932	19.25	ug/l		98
86) Hexachloroethane	12.542	117	12708	17.31	ug/l		94
87) 1,2-Dichlorobenzene	12.341	146	41262	20.20	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7661	19.88	ug/l		90
89) 1,2,4-Trichlorobenzene	13.591	180	22957	18.35	ug/l		98
90) Hexachlorobutadiene	13.731	225	9052	18.70	ug/l		92
91) Naphthalene	13.780	128	98893	20.15	ug/l		99
92) 1,2,3-Trichlorobenzene	13.963	180	24357	19.61	ug/l		99

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

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