Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031220\
Data File : VX015234.D
Acq On : 12 Mar 2020 14:35
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ICVVX031220

Manual Integrations APPROVED
MMDadoda
3/16/2020 11:43:43 AM

Quant Time: Mar 13 04:03:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	46722	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.84	114	256256	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	231233	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.04	65	92881	29.47	ug/l	-0.01
Spiked Amount 30.000	Range 50 - 169		Recovery = 98.23%			
60) 4-Bromofluorobenzene	11.13	95	108526	29.48	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 98.27%			
63) Toluene-d8	8.71	98	325835	32.90	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 109.67%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	48016	20.435	ug/l	99
3) Chloromethane	1.32	50	70288	20.719	ug/l	100
4) Vinyl Chloride	1.40	62	71652	20.756	ug/l	97
5) Bromomethane	1.64	94	47870	21.284	ug/l	98
6) Chloroethane	1.72	64	44426	20.489	ug/l	98
7) Trichlorofluoromethane	1.93	101	91622	20.818	ug/l	97
8) Diethyl Ether	2.18	74	39844	20.426	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53545	19.838	ug/l	99
10) 1,1-Dichloroethene	2.37	96	55155	20.269	ug/l	98
11) Methyl Iodide	2.50	142	46889	16.753	ug/l	97
12) Methyl Acetate	2.76	43	65528	19.521	ug/l	99
13) Acrolein	2.28	56	51215	96.614	ug/l	99
14) Acrylonitrile	3.13	53	148885	95.583	ug/l	100
15) Acetone	2.43	58	40648	88.937	ug/l	97
16) Carbon Disulfide	2.56	76	149391	19.605	ug/l	100
17) Allyl chloride	2.72	41	95349	18.887	ug/l	96
18) Methylene Chloride	2.84	84	58781	19.115	ug/l	99
19) trans-1,2-Dichloroethene	3.15	96	58513	19.935	ug/l	96
20) Diisopropyl ether	3.84	45	196747	19.619	ug/l	96
21) 1,1-Dichloroethane	3.69	63	102588	19.307	ug/l	98
22) cis-1,2-Dichloroethene	4.58	96	65095	19.620	ug/l	98
23) tert-Butyl Alcohol	3.03	59	59878	98.322	ug/l #	100
24) Methyl tert-Butyl Ether	3.18	73	172815	19.656	ug/l	99
25) Chloroform	5.19	83	98946	19.576	ug/l	99
26) Cyclohexane	5.57	56	95391	19.318	ug/l	100
29) 1,1-Dichloropropene	5.79	75	77722	19.765	ug/l	99
30) 2-Butanone	4.65	43	201586	95.725	ug/l	99
31) 2,2-Dichloropropane	4.56	77	80511	19.929	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	85195	19.909	ug/l	100
33) Carbon Tetrachloride	5.77	117	73225	19.996	ug/l	97
34) Benzene	6.13	78	235047	19.725	ug/l	100
35) Methacrylonitrile	5.02	41	44369	19.488	ug/l	99
36) 1,2-Dichloroethane	6.18	62	76651	19.285	ug/l	98
37) Trichloroethene	7.20	130	64349	19.526	ug/l	98
38) Methylcyclohexane	7.45	83	95286	19.943	ug/l	99
39) 1,2-Dichloropropane	7.50	63	61973	20.133	ug/l	98
40) Dibromomethane	7.65	93	39385	20.131	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	77634	20.063	ug/l	95
42) Vinyl Acetate	3.80	43	814324	98.058	ug/l	100
43) Ethyl Acetate	4.81	43	81593	20.421	ug/l	99
44) Isopropyl Acetate	6.43	43	130972	19.379	ug/l	99
45) 1,4-Dioxane	7.74	88	28868	434.913	ug/l	96
46) Methyl methacrylate	7.76	41	65443	19.638	ug/l	96
47) n-amyl Acetate	10.89	43	112510	18.553	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	91738	21.803	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	94964	19.874	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	63852	22.073	ug/l	97
51) Ethyl methacrylate	9.17	69	96106	21.291	ug/l	96
52) 1,3-Dichloropropane	9.36	76	109162	22.296	ug/l	99
53) Dibromochloromethane	9.57	129	67142	21.794	ug/l	94
54) 1,2-Dibromoethane	9.67	107	66164	22.171	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	224340	99.232	ug/l	100
56) Bromoform	10.85	173	46615	19.299	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	426138	108.249	ug/l	100
59) 2-Hexanone	9.48	43	325013	109.233	ug/l	99
61) Tetrachloroethene	9.33	164	69377	21.553	ug/l	96
62) Toluene	8.78	91	272809	22.295	ug/l	99
64) Chlorobenzene	10.13	112	155686	19.912	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	57638	20.014	ug/l	97
66) Ethyl Benzene	10.25	91	273710	20.080	ug/l	100
67) m/p-Xylenes	10.35	106	207308	39.620	ug/l	98
68) o-Xylene	10.69	106	100305	19.994	ug/l	99
69) Styrene	10.70	104	172669	19.777	ug/l	99
70) Isopropylbenzene	11.01	105	270196	20.236	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	84477	19.490	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	84066m	23.695	ug/l	
73) Bromobenzene	11.25	156	72786	19.988	ug/l	94
74) n-propylbenzene	11.35	91	311992	19.778	ug/l	100
75) 2-Chlorotoluene	11.42	91	183646	19.940	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	226826	19.900	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	27211	18.313	ug/l	97
78) 4-Chlorotoluene	11.51	91	210201	19.823	ug/l	99
79) tert-butylbenzene	11.76	119	220272	20.612	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	227967	20.229	ug/l	99
81) sec-Butylbenzene	11.94	105	263317	19.854	ug/l	100
82) p-Isopropyltoluene	12.06	119	244969	20.086	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	126938	19.728	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	126416	19.642	ug/l	99
85) n-Butylbenzene	12.38	91	212625	19.893	ug/l	99
86) Hexachloroethane	12.59	117	41973	19.659	ug/l	94
87) 1,2-Dichlorobenzene	12.38	146	125698	20.036	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	18390	20.608	ug/l	93
89) 1,2,4-Trichlorobenzene	13.64	180	92114	19.865	ug/l	99
90) Hexachlorobutadiene	13.77	225	49875	20.906	ug/l	99
91) Naphthalene	13.83	128	251912	19.610	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	93075	19.943	ug/l	99

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

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