Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137844.D
Acq On : 07 Dec 2019 16:35
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Manual Integrations APPROVED
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12/9/2019 2:07:32 PM

Quant Time: Dec 09 03:05:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	98485	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	547153	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	487207	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	207919	28.59	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 95.30%			
60) 4-Bromofluorobenzene	11.13	95	234286	29.92	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 99.73%			
63) Toluene-d8	8.71	98	665243	30.20	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.67%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	141815	19.219	ug/l	97
3) Chloromethane	1.32	50	151346	18.819	ug/l	99
4) Vinyl Chloride	1.40	62	175031	19.154	ug/l	99
5) Bromomethane	1.63	94	72549	13.206	ug/l	98
6) Chloroethane	1.72	64	97589	19.428	ug/l	97
7) Trichlorofluoromethane	1.92	101	185286	18.834	ug/l	94
8) Diethyl Ether	2.18	74	87802	19.547	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	118355	19.996	ug/l	98
10) 1,1-Dichloroethene	2.37	96	118170	19.428	ug/l	94
11) Methyl Iodide	2.50	142	80599	10.732	ug/l	98
12) Methyl Acetate	2.76	43	206671	19.391	ug/l	99
13) Acrolein	2.28	56	112150	99.061	ug/l	98
14) Acrylonitrile	3.13	53	355908	90.810	ug/l	98
15) Acetone	2.43	58	93721	78.955	ug/l	98
16) Carbon Disulfide	2.56	76	304029	17.921	ug/l	100
17) Allyl chloride	2.72	41	206058	18.396	ug/l	99
18) Methylene Chloride	2.85	84	136214	19.738	ug/l	98
19) trans-1,2-Dichloroethene	3.15	96	122266	18.809	ug/l	98
20) Diisopropyl ether	3.84	45	427242	19.826	ug/l	91
21) 1,1-Dichloroethane	3.69	63	230598	19.646	ug/l	98
22) cis-1,2-Dichloroethene	4.59	96	143997	19.429	ug/l	99
23) tert-Butyl Alcohol	3.03	59	133142	70.590	ug/l	100
24) Methyl tert-Butyl Ether	3.19	73	389488	19.348	ug/l	100
25) Chloroform	5.20	83	224451	19.536	ug/l	100
26) Cyclohexane	5.57	56	204632	19.198	ug/l #	98
29) 1,1-Dichloropropene	5.79	75	167403	20.031	ug/l	99
30) 2-Butanone	4.66	43	489450	88.730	ug/l	99
31) 2,2-Dichloropropane	4.57	77	179342	19.815	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	186426	20.070	ug/l	99
33) Carbon Tetrachloride	5.78	117	158028	19.586	ug/l	99
34) Benzene	6.14	78	524173	20.678	ug/l	99
35) Methacrylonitrile	5.03	41	108653	19.724	ug/l	95
36) 1,2-Dichloroethane	6.18	62	180028	20.290	ug/l	99
37) Trichloroethene	7.21	130	136801	20.145	ug/l	94
38) Methylcyclohexane	7.46	83	202543	19.766	ug/l	99
39) 1,2-Dichloropropane	7.51	63	133758	20.408	ug/l	97
40) Dibromomethane	7.65	93	87960	20.165	ug/l	98

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QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Bromodichloromethane	7.89	83	166219	19.521 ug/l	97
42) Vinyl Acetate	3.80	43	1728103	99.505 ug/l	100
43) Ethyl Acetate	4.82	43	188552	18.741 ug/l	96
44) Isopropyl Acetate	6.43	43	312425	19.319 ug/l	100
45) 1,4-Dioxane	7.73	88	44638	250.005 ug/l	96
46) Methyl methacrylate	7.76	41	154752	19.237 ug/l	100
47) n-amyl Acetate	10.89	43	275003	19.386 ug/l	100
48) t-1,3-Dichloropropene	9.04	75	181421	19.001 ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	205584	19.650 ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	128935	19.975 ug/l	99
51) Ethyl methacrylate	9.17	69	209051	19.671 ug/l	98
52) 1,3-Dichloropropane	9.37	76	225636	20.448 ug/l	100
53) Dibromochloromethane	9.58	129	134903	19.720 ug/l	97
54) 1,2-Dibromoethane	9.67	107	137122	19.867 ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	387021	85.229 ug/l	100
56) Bromoform	10.85	173	98842	18.156 ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	983995	96.680 ug/l	99
59) 2-Hexanone	9.48	43	750245	93.163 ug/l	99
61) Tetrachloroethene	9.33	164	120585	20.071 ug/l	98
62) Toluene	8.78	91	556467	20.505 ug/l	99
64) Chlorobenzene	10.14	112	352503	20.774 ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	127779	20.117 ug/l	98
66) Ethyl Benzene	10.24	91	612787	20.554 ug/l	99
67) m/p-Xylenes	10.35	106	466226	40.539 ug/l	99
68) o-Xylene	10.70	106	229200	20.651 ug/l	96
69) Styrene	10.71	104	381766	20.143 ug/l	99
70) Isopropylbenzene	11.01	105	605938	20.719 ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	210366	20.089 ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	189006m	21.376 ug/l	
73) Bromobenzene	11.25	156	157945	20.479 ug/l	97
74) n-propylbenzene	11.35	91	684880	20.606 ug/l	100
75) 2-Chlorotoluene	11.42	91	404793	20.481 ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	498929	20.296 ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	61498	17.201 ug/l	91
78) 4-Chlorotoluene	11.51	91	459751	20.303 ug/l	100
79) tert-butylbenzene	11.76	119	502709	20.268 ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	498185	20.336 ug/l	100
81) sec-Butylbenzene	11.94	105	578916	20.458 ug/l	99
82) p-Isopropyltoluene	12.06	119	525945	20.172 ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	274326	20.231 ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	275767	20.488 ug/l	98
85) n-Butylbenzene	12.38	91	449991	19.997 ug/l	99
86) Hexachloroethane	12.59	117	89890	18.788 ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	276856	20.419 ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	42961	18.345 ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	185652	19.858 ug/l	97
90) Hexachlorobutadiene	13.77	225	82461	18.407 ug/l	97
91) Naphthalene	13.83	128	581886	19.658 ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	187105	19.804 ug/l	99

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

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