

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022820\
 Data File : VX015049.D
 Acq On : 28 Feb 2020 08:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:10:04 AM

Quant Time: Feb 28 23:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	76796	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	409862	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	346706	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	153834	28.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.03%
60) 4-Bromofluorobenzene	11.13	95	172795	32.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.67%
63) Toluene-d8	8.71	98	493406	32.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	61885	18.046	ug/l 97
3) Chloromethane	1.32	50	86840	19.584	ug/l 98
4) Vinyl Chloride	1.41	62	86916	18.212	ug/l 100
5) Bromomethane	1.64	94	57499	17.205	ug/l 99
6) Chloroethane	1.72	64	58168	18.196	ug/l 98
7) Trichlorofluoromethane	1.93	101	120612	17.365	ug/l 98
8) Diethyl Ether	2.18	74	53181	18.201	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76398	19.025	ug/l 98
10) 1,1-Dichloroethene	2.37	96	74493	18.452	ug/l 92
11) Methyl Iodide	2.50	142	70058	14.282	ug/l 99
12) Methyl Acetate	2.76	43	99318	19.770	ug/l 96
13) Acrolein	2.28	56	92105	92.188	ug/l 99
14) Acrylonitrile	3.12	53	224026	98.745	ug/l 100
15) Acetone	2.43	58	94524	116.420	ug/l 99
16) Carbon Disulfide	2.56	76	199502	18.380	ug/l 99
17) Allyl chloride	2.72	41	137003	19.509	ug/l 96
18) Methylene Chloride	2.85	84	88390	19.003	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	82877	18.690	ug/l 97
20) Diisopropyl ether	3.84	45	282547	19.701	ug/l 97
21) 1,1-Dichloroethane	3.69	63	150835	19.186	ug/l 97
22) cis-1,2-Dichloroethene	4.58	96	94285	18.581	ug/l 99
23) tert-Butyl Alcohol	3.02	59	86414	96.087	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	247487	18.426	ug/l 97
25) Chloroform	5.20	83	145088	18.300	ug/l 98
26) Cyclohexane	5.57	56	131941	18.777	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	112056	19.329	ug/l 98
30) 2-Butanone	4.65	43	364253	108.856	ug/l 99
31) 2,2-Dichloropropane	4.57	77	118748	18.654	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	122813	18.655	ug/l 98
33) Carbon Tetrachloride	5.77	117	105580	18.320	ug/l 95
34) Benzene	6.13	78	342894	19.602	ug/l 97
35) Methacrylonitrile	5.02	41	67684	19.829	ug/l 97
36) 1,2-Dichloroethane	6.18	62	116111	18.752	ug/l 97
37) Trichloroethene	7.20	130	96269	19.601	ug/l 95
38) Methylcyclohexane	7.45	83	134369	18.699	ug/l 98
39) 1,2-Dichloropropane	7.50	63	87012	19.324	ug/l 98
40) Dibromomethane	7.65	93	59195	19.688	ug/l 100

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MMDadoda
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Quant Time: Feb 28 23:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	113178	19.056	ug/l	99
42) Vinyl Acetate	3.80	43	1156271	98.173	ug/l	100
43) Ethyl Acetate	4.81	43	122053	20.159	ug/l	96
44) Isopropyl Acetate	6.43	43	191687	18.833	ug/l	100
45) 1,4-Dioxane	7.73	88	38759	412.121	ug/l #	92
46) Methyl methacrylate	7.76	41	94498	18.767	ug/l	97
47) n-amyl Acetate	10.89	43	158422	17.967	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	119279	18.101	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	136860	18.865	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	83241	18.583	ug/l	97
51) Ethyl methacrylate	9.17	69	121200	17.530	ug/l	97
52) 1,3-Dichloropropane	9.36	76	143547	18.943	ug/l	97
53) Dibromochloromethane	9.57	129	85426	17.639	ug/l	98
54) 1,2-Dibromoethane	9.67	107	88271	18.560	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	356694	96.853	ug/l	98
56) Bromoform	10.85	173	66119	17.416	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	606574	106.752	ug/l	99
59) 2-Hexanone	9.48	43	497844	112.137	ug/l	99
61) Tetrachloroethene	9.33	164	94999	20.400	ug/l	98
62) Toluene	8.78	91	367778	20.710	ug/l	99
64) Chlorobenzene	10.13	112	214972	18.965	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	78840	18.778	ug/l	100
66) Ethyl Benzene	10.25	91	373029	19.069	ug/l	97
67) m/p-Xylenes	10.35	106	291712	38.671	ug/l	98
68) o-Xylene	10.69	106	143678	19.685	ug/l	100
69) Styrene	10.71	104	246225	19.752	ug/l	99
70) Isopropylbenzene	11.01	105	399916	20.627	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	130194	20.857	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	111771m	21.586	ug/l	
73) Bromobenzene	11.25	156	105004	20.044	ug/l	96
74) n-propylbenzene	11.35	91	460934	20.889	ug/l	99
75) 2-Chlorotoluene	11.42	91	276917	21.236	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	330712	20.354	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	40396	19.347	ug/l	97
78) 4-Chlorotoluene	11.51	91	316565	20.987	ug/l	100
79) tert-butylbenzene	11.76	119	317279	20.212	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	333654	20.655	ug/l	99
81) sec-Butylbenzene	11.94	105	391609	20.831	ug/l	100
82) p-Isopropyltoluene	12.06	119	360879	20.663	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	187155	20.380	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	189063	20.444	ug/l	98
85) n-Butylbenzene	12.39	91	309510	20.365	ug/l	99
86) Hexachloroethane	12.59	117	62264	19.723	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	187198	20.485	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	26780	19.698	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	130692	19.887	ug/l	99
90) Hexachlorobutadiene	13.78	225	66786	20.464	ug/l	96
91) Naphthalene	13.83	128	362440	19.481	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	131603	20.171	ug/l	98

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

