

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016109.D
 Acq On : 08 May 2020 09:58
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 09 02:19:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	52095	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	298247	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	265836	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	116792	29.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.23%
60) 4-Bromofluorobenzene	11.12	95	132599	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	8.70	98	356632	31.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	81065	22.592	ug/l 100
3) Chloromethane	1.31	50	77710	22.104	ug/l 99
4) Vinyl Chloride	1.39	62	81375	20.372	ug/l 99
5) Bromomethane	1.63	94	52154	21.302	ug/l 98
6) Chloroethane	1.72	64	48828	18.647	ug/l 99
7) Trichlorofluoromethane	1.92	101	105462	18.433	ug/l 99
8) Diethyl Ether	2.17	74	41693	18.257	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	60895	20.610	ug/l 97
10) 1,1-Dichloroethene	2.36	96	58724	19.699	ug/l 96
11) Methyl Iodide	2.49	142	70467	17.316	ug/l 99
12) Methyl Acetate	2.75	43	107461	20.647	ug/l 97
13) Acrolein	2.27	56	36486	87.447	ug/l 100
14) Acrylonitrile	3.11	53	196464	102.194	ug/l 99
15) Acetone	2.42	58	53634	105.417	ug/l 88
16) Carbon Disulfide	2.55	76	185754	20.483	ug/l 99
17) Allyl chloride	2.71	41	111451	20.154	ug/l 90
18) Methylene Chloride	2.83	84	69439	20.794	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	66728	20.466	ug/l 96
20) Diisopropyl ether	3.82	45	213968	20.068	ug/l 91
21) 1,1-Dichloroethane	3.67	63	121177	20.382	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	73497	19.864	ug/l 100
23) tert-Butyl Alcohol	3.00	59	91444	97.170	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	215649	20.144	ug/l 94
25) Chloroform	5.17	83	121233	20.078	ug/l 96
26) Cyclohexane	5.55	56	111877	20.579	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	93136	19.855	ug/l 99
30) 2-Butanone	4.63	43	261130	93.427	ug/l 98
31) 2,2-Dichloropropane	4.54	77	109668	19.427	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	108437	19.057	ug/l 98
33) Carbon Tetrachloride	5.75	117	96389	19.025	ug/l 99
34) Benzene	6.11	78	274476	20.033	ug/l 99
35) Methacrylonitrile	5.00	41	57470	19.362	ug/l 93
36) 1,2-Dichloroethane	6.16	62	97148	18.567	ug/l 98
37) Trichloroethene	7.19	130	102899	21.112	ug/l 100
38) Methylcyclohexane	7.44	83	116898	20.392	ug/l 98
39) 1,2-Dichloropropane	7.49	63	69442	19.745	ug/l 97
40) Dibromomethane	7.63	93	46480	19.032	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	95058	18.881	ug/l	97
42) Vinyl Acetate	3.78	43	871912	94.292	ug/l	99
43) Ethyl Acetate	4.79	43	104290	18.916	ug/l	99
44) Isopropyl Acetate	6.41	43	166470	18.606	ug/l	97
45) 1,4-Dioxane	7.71	88	37072	392.267	ug/l	99
46) Methyl methacrylate	7.74	41	77446	18.259	ug/l	92
47) n-amyl Acetate	10.88	43	136868	17.495	ug/l	95
48) t-1,3-Dichloropropene	9.02	75	111056	18.996	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	118999	19.701	ug/l	93
50) 1,1,2-Trichloroethane	9.20	97	66095	19.206	ug/l	97
51) Ethyl methacrylate	9.16	69	106018	18.656	ug/l	91
52) 1,3-Dichloropropane	9.35	76	118210	19.870	ug/l	99
53) Dibromochloromethane	9.56	129	74509	19.030	ug/l	99
54) 1,2-Dibromoethane	9.65	107	71598	18.930	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	317588	102.724	ug/l	99
56) Bromoform	10.84	173	53830	18.247	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	515976	98.424	ug/l	98
59) 2-Hexanone	9.47	43	401806	99.228	ug/l	97
61) Tetrachloroethene	9.32	164	111229	21.152	ug/l	96
62) Toluene	8.76	91	293032	20.633	ug/l	99
64) Chlorobenzene	10.12	112	182719	20.206	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	65640	19.120	ug/l	97
66) Ethyl Benzene	10.23	91	329572	20.379	ug/l	100
67) m/p-Xylenes	10.34	106	249496	40.498	ug/l	98
68) o-Xylene	10.68	106	118389	19.928	ug/l	99
69) Styrene	10.70	104	199052	19.577	ug/l	99
70) Isopropylbenzene	11.00	105	321698	20.056	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	43359	14.541	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	100513m	20.813	ug/l	
73) Bromobenzene	11.24	156	78763	19.486	ug/l	98
74) n-propylbenzene	11.34	91	375273	20.143	ug/l	100
75) 2-Chlorotoluene	11.40	91	218846	19.990	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	272177	19.991	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	39415	18.981	ug/l	96
78) 4-Chlorotoluene	11.49	91	254305	19.624	ug/l	99
79) tert-butylbenzene	11.76	119	224133	19.275	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	270521	19.888	ug/l	99
81) sec-Butylbenzene	11.93	105	312972	19.956	ug/l	99
82) p-Isopropyltoluene	12.05	119	288175	19.828	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	144702	19.857	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	148003	20.440	ug/l	99
85) n-Butylbenzene	12.37	91	260467	19.620	ug/l	100
86) Hexachloroethane	12.58	117	49711	19.429	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	139069	19.732	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	22602	18.115	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	102924	19.826	ug/l	100
90) Hexachlorobutadiene	13.77	225	48230	21.617	ug/l	99
91) Naphthalene	13.82	128	319668	19.342	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	99631	19.977	ug/l	97

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

