

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018251.D
 Acq On : 04 Sep 2020 11:03
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:16:50 PM

Quant Time: Sep 04 12:05:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 11:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	90998	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	463130	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	445308	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	215295	29.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.63%
60) 4-Bromofluorobenzene	11.12	95	233928	31.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.87%
63) Toluene-d8	8.70	98	595064	30.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	219830	42.302	ug/l 95
3) Chloromethane	1.31	50	236263	44.837	ug/l 99
4) Vinyl Chloride	1.39	62	256452	48.376	ug/l 99
5) Bromomethane	1.63	94	175326	51.453	ug/l 100
6) Chloroethane	1.72	64	151732	49.218	ug/l 100
7) Trichlorofluoromethane	1.92	101	429565	50.661	ug/l 99
8) Diethyl Ether	2.17	74	137610	53.422	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	221645	54.415	ug/l 99
10) 1,1-Dichloroethene	2.36	96	217479	56.151	ug/l 96
11) Methyl Iodide	2.49	142	259132	59.630	ug/l 97
12) Methyl Acetate	2.75	43	291133	52.030	ug/l 97
13) Acrolein	2.28	56	104483	143.989	ug/l 99
14) Acrylonitrile	3.12	53	664504	281.355	ug/l 100
15) Acetone	2.42	58	172961	265.691	ug/l 90
16) Carbon Disulfide	2.55	76	627890	60.472	ug/l 99
17) Allyl chloride	2.71	41	393378	55.069	ug/l 99
18) Methylene Chloride	2.84	84	252635	55.995	ug/l 94
19) trans-1,2-Dichloroethene	3.14	96	246901	60.229	ug/l 99
20) Diisopropyl ether	3.82	45	787183	55.072	ug/l 91
21) 1,1-Dichloroethane	3.67	63	445227	56.985	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	269619	55.561	ug/l 97
23) tert-Butyl Alcohol	3.01	59	275354	256.276	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	795876	54.628	ug/l 99
25) Chloroform	5.18	83	470718	54.923	ug/l 98
26) Cyclohexane	5.56	56	361580	54.359	ug/l # 49
29) 1,1-Dichloropropene	5.77	75	342848	59.476	ug/l 99
30) 2-Butanone	4.64	43	934958	290.965	ug/l 100
31) 2,2-Dichloropropane	4.56	77	409954	56.926	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	444468	57.532	ug/l 98
33) Carbon Tetrachloride	5.76	117	412194	57.659	ug/l 93
34) Benzene	6.12	78	976509	59.345	ug/l 96
35) Methacrylonitrile	5.01	41	205431	59.127	ug/l 95
36) 1,2-Dichloroethane	6.17	62	409946	59.437	ug/l # 100
37) Trichloroethene	7.19	130	274538	57.184	ug/l 97
38) Methylcyclohexane	7.45	83	371516	55.467	ug/l 96
39) 1,2-Dichloropropane	7.49	63	257427	57.836	ug/l 96
40) Dibromomethane	7.64	93	187052	58.857	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.88	83	390796	56.823	ug/l	94
42) Vinyl Acetate	3.79	43	3582422	322.458	ug/l	100
43) Ethyl Acetate	4.79	43	368446	59.873	ug/l	98
44) Isopropyl Acetate	6.42	43	599693	57.203	ug/l	97
45) 1,4-Dioxane	7.71	88	98087	1006.680	ug/l #	90
46) Methyl methacrylate	7.74	41	300351	58.727	ug/l	97
47) n-amyl Acetate	10.88	43	543919	62.547	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	424124	57.535	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	440348	55.383	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	261143	58.625	ug/l	98
51) Ethyl methacrylate	9.16	69	383794	58.717	ug/l	97
52) 1,3-Dichloropropane	9.35	76	433787	58.922	ug/l	98
53) Dibromochloromethane	9.57	129	329361	57.849	ug/l	97
54) 1,2-Dibromoethane	9.65	107	289119	58.837	ug/l	95
55) 2-Chloroethyl vinyl ether	8.29	63	1017720	287.678	ug/l	99
56) Bromoform	10.84	173	258755	61.269	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	1883322	288.397	ug/l	99
59) 2-Hexanone	9.48	43	1430448	302.392	ug/l	99
61) Tetrachloroethene	9.32	164	260953	52.379	ug/l	91
62) Toluene	8.77	91	1087239	58.897	ug/l	99
64) Chlorobenzene	10.12	112	683195	55.415	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	277735	55.106	ug/l	99
66) Ethyl Benzene	10.24	91	1219132	59.388	ug/l	96
67) m/p-Xylenes	10.34	106	929318	120.293	ug/l	99
68) o-Xylene	10.68	106	447669	59.435	ug/l	97
69) Styrene	10.70	104	789037	59.783	ug/l	100
70) Isopropylbenzene	11.00	105	1233825	56.693	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	394514	61.946	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	383437m	60.935	ug/l	
73) Bromobenzene	11.24	156	321957	55.587	ug/l	98
74) n-propylbenzene	11.34	91	1441477	57.571	ug/l	99
75) 2-Chlorotoluene	11.40	91	859254	56.625	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1067906	58.080	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	150194	60.965	ug/l	93
78) 4-Chlorotoluene	11.49	91	1031856	58.321	ug/l	100
79) tert-butylbenzene	11.76	119	1027527	56.994	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	1076100	56.345	ug/l	99
81) sec-Butylbenzene	11.93	105	1218005	56.913	ug/l	100
82) p-Isopropyltoluene	12.05	119	1141784	58.439	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	589443	55.528	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	589082	55.908	ug/l	98
85) n-Butylbenzene	12.37	91	1000633	54.099	ug/l	99
86) Hexachloroethane	12.58	117	216044	52.300	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	550228	52.619	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	101584	57.931	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	371192	51.364	ug/l	97
90) Hexachlorobutadiene	13.77	225	154235	46.616	ug/l	90
91) Naphthalene	13.82	128	1200463	55.812	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	377371	54.108	ug/l	99

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

