

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018506.D
 Acq On : 18 Sep 2020 20:27
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:50:55 AM

Quant Time: Sep 21 03:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	100163	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.84	114	524150	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	497212	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	233789	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	11.12	95	251958	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	8.70	98	643598	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	80575	15.202	ug/l 97
3) Chloromethane	1.31	50	85980	15.272	ug/l 95
4) Vinyl Chloride	1.39	62	97232	16.402	ug/l 95
5) Bromomethane	1.64	94	50782	12.590	ug/l 99
6) Chloroethane	1.72	64	61900	17.180	ug/l 92
7) Trichlorofluoromethane	1.92	101	154815	15.410	ug/l 96
8) Diethyl Ether	2.17	74	52137	16.461	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81361	15.851	ug/l 99
10) 1,1-Dichloroethene	2.36	96	84343	16.739	ug/l 98
11) Methyl Iodide	2.49	142	59882	15.403	ug/l 94
12) Methyl Acetate	2.75	43	120841	18.219	ug/l 98
13) Acrolein	2.28	56	36701	68.565	ug/l 94
14) Acrylonitrile	3.12	53	247622	82.395	ug/l 99
15) Acetone	2.42	58	65528	80.195	ug/l 92
16) Carbon Disulfide	2.55	76	236933	16.149	ug/l 97
17) Allyl chloride	2.71	41	148905	16.534	ug/l 98
18) Methylene Chloride	2.84	84	93816	15.864	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	91249	16.311	ug/l 100
20) Diisopropyl ether	3.82	45	310258	17.402	ug/l 90
21) 1,1-Dichloroethane	3.67	63	166633	16.283	ug/l 98
22) cis-1,2-Dichloroethene	4.57	96	104496	16.882	ug/l 99
23) tert-Butyl Alcohol	3.01	59	115328	88.554	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	291922	16.296	ug/l 100
25) Chloroform	5.18	83	175477	16.067	ug/l 93
26) Cyclohexane	5.55	56	136130	16.481	ug/l # 50
29) 1,1-Dichloropropene	5.77	75	127562	15.943	ug/l 100
30) 2-Butanone	4.64	43	356194	81.306	ug/l 99
31) 2,2-Dichloropropane	4.55	77	134845	13.953	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	165302	15.784	ug/l 98
33) Carbon Tetrachloride	5.76	117	150377	15.410	ug/l 97
34) Benzene	6.12	78	364652	15.966	ug/l 100
35) Methacrylonitrile	5.01	41	76849	16.645	ug/l 92
36) 1,2-Dichloroethane	6.17	62	150837	15.958	ug/l # 100
37) Trichloroethene	7.19	130	107846	16.330	ug/l 97
38) Methylcyclohexane	7.44	83	136093	15.969	ug/l 99
39) 1,2-Dichloropropane	7.49	63	97548	15.947	ug/l 97
40) Dibromomethane	7.63	93	70342	15.924	ug/l 97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	146153	15.964	ug/l	94
42) Vinyl Acetate	3.79	43	1333081	81.561	ug/l	100
43) Ethyl Acetate	4.79	43	137341	15.766	ug/l	98
44) Isopropyl Acetate	6.42	43	228501	16.276	ug/l	96
45) 1,4-Dioxane	7.71	88	34297	292.428	ug/l #	90
46) Methyl methacrylate	7.74	41	110840	16.042	ug/l	97
47) n-amyl Acetate	10.88	43	194304	15.751	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	155020	15.763	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	166529	16.119	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	95986	15.594	ug/l	93
51) Ethyl methacrylate	9.16	69	144508	16.207	ug/l	98
52) 1,3-Dichloropropane	9.35	76	165301	16.179	ug/l	98
53) Dibromochloromethane	9.56	129	118271	15.453	ug/l	99
54) 1,2-Dibromoethane	9.65	107	106275	15.739	ug/l	97
55) 2-Chloroethyl vinyl ether	8.29	63	393250	84.456	ug/l	99
56) Bromoform	10.84	173	91385	15.715	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	711706	83.222	ug/l	99
59) 2-Hexanone	9.47	43	532558	82.216	ug/l	99
61) Tetrachloroethene	9.32	164	95747	15.440	ug/l	91
62) Toluene	8.76	91	409207	16.353	ug/l	98
64) Chlorobenzene	10.12	112	266207	16.555	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	102809	15.787	ug/l	99
66) Ethyl Benzene	10.24	91	446419	16.146	ug/l	97
67) m/p-Xylenes	10.34	106	344488	32.579	ug/l	98
68) o-Xylene	10.68	106	162378	16.252	ug/l	99
69) Styrene	10.70	104	281754	16.164	ug/l	99
70) Isopropylbenzene	11.01	105	442719	15.934	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	149988	16.519	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	139126m	15.948	ug/l	
73) Bromobenzene	11.24	156	125428	16.478	ug/l	98
74) n-propylbenzene	11.34	91	519721	15.886	ug/l	98
75) 2-Chlorotoluene	11.40	91	308077	15.537	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	382409	15.799	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	47319	13.958	ug/l	95
78) 4-Chlorotoluene	11.49	91	374994	15.853	ug/l	99
79) tert-butylbenzene	11.76	119	374463	16.060	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	384298	16.053	ug/l	98
81) sec-Butylbenzene	11.93	105	424993	15.605	ug/l	98
82) p-Isopropyltoluene	12.05	119	395117	15.560	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	216219	15.887	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	222631	16.360	ug/l	99
85) n-Butylbenzene	12.37	91	346095	15.481	ug/l	99
86) Hexachloroethane	12.58	117	73721	14.745	ug/l	96
87) 1,2-Dichlorobenzene	12.37	146	210294	16.501	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	35767	15.399	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	139402	16.168	ug/l	98
90) Hexachlorobutadiene	13.76	225	57995	15.902	ug/l	96
91) Naphthalene	13.82	128	444921	16.535	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	142367	16.691	ug/l	96

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

