

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018480.D
 Acq On : 18 Sep 2020 09:53
 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
 9/21/2020 11:50:39 AM

Quant Time: Sep 21 01:14:05 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	4.98	128	78731	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	409390	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	384962	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	187738	30.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.73%
60) 4-Bromofluorobenzene	11.12	95	198812	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	8.70	98	519607	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	77062	18.498 ug/l	93
3) Chloromethane	1.31	50	82441	18.630 ug/l	94
4) Vinyl Chloride	1.39	62	83322	17.881 ug/l	100
5) Bromomethane	1.64	94	63525	20.037 ug/l	99
6) Chloroethane	1.72	64	52555	18.557 ug/l	93
7) Trichlorofluoromethane	1.92	101	149691	18.956 ug/l	97
8) Diethyl Ether	2.17	74	45982	18.470 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	78950	19.568 ug/l	99
10) 1,1-Dichloroethene	2.36	96	74953	18.925 ug/l	99
11) Methyl Iodide	2.49	142	63091	18.074 ug/l	98
12) Methyl Acetate	2.75	43	95931	18.401 ug/l	95
13) Acrolein	2.27	56	38371	91.198 ug/l	99
14) Acrylonitrile	3.11	53	208291	88.174 ug/l	99
15) Acetone	2.42	58	66694	103.841 ug/l	90
16) Carbon Disulfide	2.55	76	212404	18.419 ug/l	99
17) Allyl chloride	2.71	41	130153	18.386 ug/l	99
18) Methylene Chloride	2.83	84	84661	18.213 ug/l	89
19) trans-1,2-Dichloroethene	3.14	96	83956	19.093 ug/l	96
20) Diisopropyl ether	3.82	45	265319	18.932 ug/l #	85
21) 1,1-Dichloroethane	3.67	63	151057	18.779 ug/l	98
22) cis-1,2-Dichloroethene	4.56	96	89659	18.428 ug/l	94
23) tert-Butyl Alcohol	3.01	59	91417	89.303 ug/l #	99
24) Methyl tert-Butyl Ether	3.17	73	257937	18.319 ug/l	100
25) Chloroform	5.18	83	159771	18.611 ug/l	97
26) Cyclohexane	5.54	56	121764	18.754 ug/l #	50
29) 1,1-Dichloropropene	5.76	75	117159	18.748 ug/l	100
30) 2-Butanone	4.63	43	314276	91.847 ug/l	99
31) 2,2-Dichloropropane	4.55	77	148150	19.627 ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	153593	18.777 ug/l	99
33) Carbon Tetrachloride	5.75	117	141180	18.523 ug/l	97
34) Benzene	6.11	78	328906	18.438 ug/l	97
35) Methacrylonitrile	5.01	41	61916	17.170 ug/l	90
36) 1,2-Dichloroethane	6.16	62	137801	18.666 ug/l #	100
37) Trichloroethene	7.19	130	94924	18.402 ug/l	97
38) Methylcyclohexane	7.44	83	119790	17.996 ug/l	98
39) 1,2-Dichloropropane	7.49	63	83871	17.554 ug/l	98
40) Dibromomethane	7.63	93	61232	17.747 ug/l	98

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

41) Bromodichloromethane	7.87	83	130409	18.237	ug/l	92
42) Vinyl Acetate	3.78	43	1149642	90.055	ug/l	100
43) Ethyl Acetate	4.79	43	114522	16.832	ug/l	96
44) Isopropyl Acetate	6.41	43	191860	17.497	ug/l	99
45) 1,4-Dioxane	7.71	88	35614	388.779	ug/l #	90
46) Methyl methacrylate	7.74	41	92187	17.082	ug/l	90
47) n-amyl Acetate	10.88	43	157468	16.343	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	141796	18.460	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	148359	18.386	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	86585	18.010	ug/l	98
51) Ethyl methacrylate	9.16	69	120564	17.311	ug/l	97
52) 1,3-Dichloropropane	9.35	76	141399	17.720	ug/l	98
53) Dibromochloromethane	9.57	129	102380	17.127	ug/l	97
54) 1,2-Dibromoethane	9.65	107	93575	17.742	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	337472	92.794	ug/l	99
56) Bromoform	10.84	173	74590	16.423	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	588662	88.905	ug/l	99
59) 2-Hexanone	9.47	43	455427	90.809	ug/l	99
61) Tetrachloroethene	9.32	164	97608	20.330	ug/l	89
62) Toluene	8.76	91	362424	18.707	ug/l	98
64) Chlorobenzene	10.12	112	232015	18.636	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	91204	18.088	ug/l	97
66) Ethyl Benzene	10.23	91	386730	18.065	ug/l	99
67) m/p-Xylenes	10.34	106	304109	37.147	ug/l	99
68) o-Xylene	10.68	106	145001	18.745	ug/l	97
69) Styrene	10.70	104	249764	18.507	ug/l	99
70) Isopropylbenzene	11.00	105	398522	18.526	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	126159	17.946	ug/l	96
72) 1,2,3-Trichloropropane	11.28	75	120361m	17.820	ug/l	
73) Bromobenzene	11.24	156	106842	18.129	ug/l	100
74) n-propylbenzene	11.34	91	469270	18.526	ug/l	100
75) 2-Chlorotoluene	11.40	91	279903	18.232	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	342467	18.274	ug/l	98
77) t-1,4-Dichloro-2-butene	11.05	75	43939	16.741	ug/l	97
78) 4-Chlorotoluene	11.49	91	337883	18.450	ug/l	97
79) tert-butylbenzene	11.76	119	324042	17.950	ug/l	96
80) 1,2,4-Trimethylbenzene	11.79	105	349468	18.855	ug/l	99
81) sec-Butylbenzene	11.93	105	386804	18.344	ug/l	99
82) p-Isopropyltoluene	12.05	119	365728	18.602	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	195761	18.578	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	194772	18.486	ug/l	99
85) n-Butylbenzene	12.37	91	323845	18.709	ug/l	98
86) Hexachloroethane	12.58	117	70008	18.086	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	185632	18.813	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	30197	16.791	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	125059	18.734	ug/l	98
90) Hexachlorobutadiene	13.76	225	54733	19.384	ug/l	92
91) Naphthalene	13.82	128	362822	17.415	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	117654	17.815	ug/l	97

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

