

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003210.D
 Acq On : 06 Jul 2018 12:14
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 06 12:31:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	51228	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	273315	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	262680	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	112640	28.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.97%
60) 4-Bromofluorobenzene	11.14	95	127584	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	8.72	98	329614	28.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	43573	17.821	ug/l 96
3) Chloromethane	1.32	50	43041	16.215	ug/l 99
4) Vinyl Chloride	1.40	62	48938	16.547	ug/l 99
5) Bromomethane	1.64	94	20590	11.917	ug/l 97
6) Chloroethane	1.72	64	32290	16.234	ug/l 96
7) Trichlorofluoromethane	1.93	101	83557	15.894	ug/l 100
8) Diethyl Ether	2.19	74	34121	18.204	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50736	16.862	ug/l 94
10) 1,1-Dichloroethene	2.37	96	44368	16.753	ug/l 92
11) Methyl Iodide	2.51	142	47823	15.680	ug/l 96
12) Methyl Acetate	2.78	43	93946	21.859	ug/l 96
13) Acrolein	2.29	56	7593	24.848	ug/l 94
14) Acrylonitrile	3.15	53	154938	95.850	ug/l 100
15) Acetone	2.45	58	40823	90.859	ug/l 99
16) Carbon Disulfide	2.57	76	98787	14.897	ug/l 99
17) Allyl chloride	2.73	41	86724	16.456	ug/l 97
18) Methylene Chloride	2.86	84	59990	19.790	ug/l 94
19) trans-1,2-Dichloroethene	3.17	96	47360	16.677	ug/l 96
20) Diisopropyl ether	3.88	45	182117	18.545	ug/l 97
21) 1,1-Dichloroethane	3.70	63	96771	18.326	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	60886	19.946	ug/l # 78
23) tert-Butyl Alcohol	3.08	59	72912	99.349	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	176890	17.889	ug/l 95
25) Chloroform	5.21	83	105515	19.912	ug/l 100
26) Cyclohexane	5.57	56	79495	17.720	ug/l # 94
29) 1,1-Dichloropropene	5.80	75	70047	18.978	ug/l 97
30) 2-Butanone	4.71	43	231616	109.666	ug/l 97
31) 2,2-Dichloropropane	4.59	77	76767	19.461	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	88959	19.952	ug/l 98
33) Carbon Tetrachloride	5.78	117	78411	19.565	ug/l 93
34) Benzene	6.14	78	218951	20.031	ug/l 97
35) Methacrylonitrile	5.07	41	49615	21.577	ug/l 95
36) 1,2-Dichloroethane	6.20	62	85424	19.905	ug/l 97
37) Trichloroethene	7.21	130	64335	20.096	ug/l 90
38) Methylcyclohexane	7.46	83	79772	17.765	ug/l 98
39) 1,2-Dichloropropane	7.52	63	57406	20.134	ug/l 96
40) Dibromomethane	7.67	93	40212	20.299	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	74437	20.004	ug/l	94
42) Vinyl Acetate	3.83	43	739670	92.343	ug/l	100
43) Ethyl Acetate	4.87	43	83877	20.765	ug/l	95
44) Isopropyl Acetate	6.47	43	136267	20.134	ug/l	97
45) 1,4-Dioxane	7.76	88	31377	473.227	ug/l #	82
46) Methyl methacrylate	7.78	41	70679	20.438	ug/l	94
47) n-amyl Acetate	10.90	43	116312	18.212	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	85479	19.567	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	80107	19.633	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	62571	21.414	ug/l	98
51) Ethyl methacrylate	9.18	69	87697	19.882	ug/l	91
52) 1,3-Dichloropropane	9.37	76	99781	20.907	ug/l	100
53) Dibromochloromethane	9.59	129	62587	20.176	ug/l	99
54) 1,2-Dibromoethane	9.68	107	62325	20.240	ug/l	96
55) 2-Chloroethyl vinyl ether	8.32	63	207042	98.829	ug/l	98
56) Bromoform	10.86	173	48047	19.402	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	466392	104.575	ug/l	97
59) 2-Hexanone	9.50	43	353166	103.588	ug/l	98
61) Tetrachloroethene	9.34	164	73351	20.347	ug/l	97
62) Toluene	8.79	91	246306	19.453	ug/l	99
64) Chlorobenzene	10.14	112	169228	20.116	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	63221	20.503	ug/l	99
66) Ethyl Benzene	10.26	91	270633	18.979	ug/l	99
67) m/p-Xylenes	10.36	106	210596	38.003	ug/l	97
68) o-Xylene	10.70	106	102968	19.072	ug/l	96
69) Styrene	10.71	104	173531	19.265	ug/l	97
70) Isopropylbenzene	11.02	105	282653	18.986	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	91027	20.454	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	104137	26.993	ug/l	93
73) Bromobenzene	11.26	156	81259	19.627	ug/l	92
74) n-propylbenzene	11.36	91	321337	18.594	ug/l	97
75) 2-Chlorotoluene	11.43	91	194059	19.295	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	237209	18.765	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	22174	17.870	ug/l	86
78) 4-Chlorotoluene	11.51	91	226774	19.033	ug/l	99
79) tert-butylbenzene	12.07	119	254550	18.258	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	241679	18.723	ug/l	97
81) sec-Butylbenzene	11.95	105	282346	18.259	ug/l	99
82) p-Isopropyltoluene	12.07	119	254550	18.258	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	148625	19.508	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	149699	19.454	ug/l	99
85) n-Butylbenzene	12.39	91	212449	17.191	ug/l	98
86) Hexachloroethane	12.60	117	36775	17.402	ug/l	91
87) 1,2-Dichlorobenzene	12.40	146	153297	19.924	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19609	19.724	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	111900	19.268	ug/l	99
90) Hexachlorobutadiene	13.79	225	54527	18.035	ug/l	99
91) Naphthalene	13.84	128	304162	19.759	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	113900	19.713	ug/l	99

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

