

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000214.D
 Acq On : 08 Mar 2018 09:45
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 3/9/2018 9:38:07 AM

Quant Time: Mar 08 12:55:07 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	25754	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	150982	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	149607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	60626	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.15	95	75598	30.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.97%
63) Toluene-d8	8.72	98	192875	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	18898	11.82	ug/l	99
3) Chloromethane	1.32	50	17130	10.69	ug/l	96
4) Vinyl Chloride	1.41	62	20268	10.63	ug/l	97
5) Bromomethane	1.65	94	17320	9.86	ug/l	89
6) Chloroethane	1.73	64	14115	11.57	ug/l	89
7) Trichlorofluoromethane	1.94	101	42740	12.94	ug/l	98
8) Diethyl Ether	2.19	74	15909	13.80	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25248	14.01	ug/l	93
10) 1,1-Dichloroethene	2.38	96	19195	11.15	ug/l #	78
11) Methyl Iodide	2.52	142	16189	9.68	ug/l	95
12) Methyl Acetate	2.78	43	58053	18.88	ug/l	95
13) Acrolein	2.29	56	41354	111.75	ug/l	99
14) Acrylonitrile	3.15	53	112421	84.37	ug/l	98
15) Acetone	2.45	58	47050	108.30	ug/l	92
16) Carbon Disulfide	2.58	76	28089	5.71	ug/l #	91
17) Allyl chloride	2.73	41	41642	14.19	ug/l	93
18) Methylene Chloride	2.86	84	24265	12.94	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	21586	11.53	ug/l	98
20) Diisopropyl ether	3.87	45	88826	19.17	ug/l	95
21) 1,1-Dichloroethane	3.70	63	47401	15.52	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	24543	14.11	ug/l	94
23) tert-Butyl Alcohol	3.06	59	67191	88.22	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	93429	15.76	ug/l	98
25) Chloroform	5.22	83	48529	16.03	ug/l	97
26) Cyclohexane	5.58	56	27730	11.58	ug/l #	98
29) 1,1-Dichloropropene	5.81	75	30548	13.89	ug/l	98
30) 2-Butanone	4.71	43	170067	100.48	ug/l	99
31) 2,2-Dichloropropane	4.60	77	37642	15.92	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	41611	15.64	ug/l	98
33) Carbon Tetrachloride	5.79	117	34344	14.54	ug/l	97
34) Benzene	6.15	78	92901	14.68	ug/l	92
35) Methacrylonitrile	5.07	41	27557	17.68	ug/l	88
36) 1,2-Dichloroethane	6.20	62	39925	16.64	ug/l #	91
37) Trichloroethene	7.22	130	26981	14.43	ug/l	97
38) Methylcyclohexane	7.46	83	33210	12.60	ug/l	96
39) 1,2-Dichloropropane	7.52	63	27683	17.53	ug/l	92
40) Dibromomethane	7.67	93	20741	17.04	ug/l	91

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000214.D
 Acq On : 08 Mar 2018 09:45
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 3/9/2018 9:38:07 AM

Quant Time: Mar 08 12:55:07 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	39160	16.93	ug/l	94
42) Vinyl Acetate	3.83	43	403351	93.50	ug/l	98
43) Ethyl Acetate	4.87	43	49195	16.55	ug/l	97
44) Isopropyl Acetate	6.48	43	77621	17.80	ug/l	98
45) 1,4-Dioxane	7.76	88	17035	310.54	ug/l	97
46) Methyl methacrylate	7.79	41	37110	17.49	ug/l	94
47) n-amyl Acetate	10.91	43	70283	18.46	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	43783	16.26	ug/l	96
49) cis-1,3-Dichloropropene	9.05	75	45365	17.31	ug/l	94
50) 1,1,2-Trichloroethane	9.23	97	31399	17.57	ug/l	98
51) Ethyl methacrylate	9.19	69	47263	17.26	ug/l	95
52) 1,3-Dichloropropane	9.38	76	50485	17.61	ug/l	99
53) Dibromochloromethane	9.59	129	33775	16.99	ug/l	100
54) 1,2-Dibromoethane	9.68	107	32386	16.26	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	166404	139.20	ug/l	99
56) Bromoform	10.87	173	25849	16.05	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	318907	97.32	ug/l	98
59) 2-Hexanone	9.51	43	278923	100.52	ug/l	98
61) Tetrachloroethene	9.34	164	25275	13.91	ug/l	96
62) Toluene	8.79	91	117009	15.03	ug/l	99
64) Chlorobenzene	10.15	112	84358	16.04	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	30750	16.50	ug/l	98
66) Ethyl Benzene	10.26	91	141183	15.89	ug/l	97
67) m/p-Xylenes	10.37	106	109735	31.51	ug/l	100
68) o-Xylene	10.71	106	54703	16.17	ug/l	99
69) Styrene	10.72	104	92974	16.59	ug/l	99
70) Isopropylbenzene	11.02	105	151987	16.62	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	58821	18.69	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	54017m	19.14	ug/l	
73) Bromobenzene	11.26	156	38988	16.26	ug/l	94
74) n-propylbenzene	11.37	91	186629	17.41	ug/l	98
75) 2-Chlorotoluene	11.43	91	107127	17.38	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	131439	16.96	ug/l	70
77) t-1,4-Dichloro-2-butene	11.09	75	16610	16.64	ug/l	96
78) 4-Chlorotoluene	11.52	91	129179	17.50	ug/l	98
79) tert-butylbenzene	11.78	119	137425m	17.82	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	136638	17.28	ug/l	98
81) sec-Butylbenzene	11.96	105	172213	18.06	ug/l	97
82) p-Isopropyltoluene	12.07	119	149435	17.57	ug/l	98
83) 1,3-Dichlorobenzene	12.04	146	80974	17.74	ug/l	96
84) 1,4-Dichlorobenzene	12.11	146	80250	16.87	ug/l	98
85) n-Butylbenzene	12.40	91	149155	18.69	ug/l	98
86) Hexachloroethane	12.60	117	23072	16.24	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	79410	17.55	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	17316	19.68	ug/l	88
89) 1,2,4-Trichlorobenzene	13.65	180	58438	17.59	ug/l	99
90) Hexachlorobutadiene	13.79	225	24727	17.28	ug/l	96
91) Naphthalene	13.84	128	205818	17.73	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	58414	17.49	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
Data File : VX000214.D
Acq On : 08 Mar 2018 09:45
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:07 AM

Quant Time: Mar 08 12:55:07 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 06:17:26 2018
Response via : Initial Calibration

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

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

