

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111119\
 Data File : VX013368.D
 Acq On : 11 Nov 2019 16:53
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:49:38 AM

Quant Time: Nov 12 01:10:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:01:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	122815	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	688170	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	610518	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	262890	27.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.27%
60) 4-Bromofluorobenzene	11.14	95	289954	27.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.53%
63) Toluene-d8	8.71	98	836567	30.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	177081	20.088	ug/l 100
3) Chloromethane	1.31	50	191766	23.646	ug/l 100
4) Vinyl Chloride	1.40	62	217160	25.353	ug/l 100
5) Bromomethane	1.63	94	115863	25.868	ug/l 100
6) Chloroethane	1.72	64	116473	22.302	ug/l 100
7) Trichlorofluoromethane	1.92	101	227071	18.131	ug/l 100
8) Diethyl Ether	2.17	74	102903	22.647	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	137938	17.914	ug/l 100
10) 1,1-Dichloroethene	2.36	96	139735	18.726	ug/l 100
11) Methyl Iodide	2.50	142	163275	17.113	ug/l 100
12) Methyl Acetate	2.76	43	247149	24.104	ug/l 100
13) Acrolein	2.28	56	130777	92.885	ug/l 100
14) Acrylonitrile	3.13	53	450906	108.505	ug/l 100
15) Acetone	2.43	58	155508	113.479	ug/l 100
16) Carbon Disulfide	2.56	76	384802	19.122	ug/l 100
17) Allyl chloride	2.72	41	258737	21.155	ug/l 100
18) Methylene Chloride	2.84	84	155936	18.135	ug/l 100
19) trans-1,2-Dichloroethene	3.15	96	147976	18.700	ug/l 100
20) Diisopropyl ether	3.84	45	494794	21.038	ug/l 100
21) 1,1-Dichloroethane	3.69	63	268831	19.186	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	168784	18.741	ug/l 100
23) tert-Butyl Alcohol	3.03	59	205944	96.667	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	463996	18.125	ug/l 100
25) Chloroform	5.20	83	264565	18.203	ug/l 100
26) Cyclohexane	5.57	56	241467	19.509	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	195804	18.675	ug/l 100
30) 2-Butanone	4.65	43	691792	118.600	ug/l 100
31) 2,2-Dichloropropane	4.57	77	218844	18.092	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	222524	17.672	ug/l 100
33) Carbon Tetrachloride	5.78	117	194617	17.909	ug/l 100
34) Benzene	6.13	78	612775	19.992	ug/l 100
35) Methacrylonitrile	5.03	41	133484	22.463	ug/l 100
36) 1,2-Dichloroethane	6.18	62	214323	18.759	ug/l 100
37) Trichloroethene	7.20	130	160737	19.056	ug/l 100
38) Methylcyclohexane	7.45	83	242919	18.794	ug/l 100
39) 1,2-Dichloropropane	7.51	63	156206	20.575	ug/l 100
40) Dibromomethane	7.65	93	104630	19.553	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111119\
 Data File : VX013368.D
 Acq On : 11 Nov 2019 16:53
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:49:38 AM

Quant Time: Nov 12 01:10:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:01:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	205324	19.072	ug/l	100
42) Vinyl Acetate	3.80	43	2091740	106.270	ug/l	100
43) Ethyl Acetate	4.82	43	245557	23.011	ug/l	100
44) Isopropyl Acetate	6.43	43	383310	21.858	ug/l	100
45) 1,4-Dioxane	7.73	88	84076	392.064	ug/l	100
46) Methyl methacrylate	7.76	41	187859	21.762	ug/l	100
47) n-amyl Acetate	10.89	43	326917	21.799	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	218778	18.500	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	247159	19.167	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	157120	19.810	ug/l	100
51) Ethyl methacrylate	9.17	69	245009	19.604	ug/l	100
52) 1,3-Dichloropropane	9.37	76	267791	20.018	ug/l	100
53) Dibromochloromethane	9.58	129	159334	18.706	ug/l	100
54) 1,2-Dibromoethane	9.67	107	167352	19.771	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	552978	106.823	ug/l	100
56) Bromoform	10.85	173	122583	19.846	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	1237075	116.209	ug/l	100
59) 2-Hexanone	9.48	43	988631	117.895	ug/l	100
61) Tetrachloroethene	9.33	164	142366	18.215	ug/l	100
62) Toluene	8.78	91	661113	20.080	ug/l	100
64) Chlorobenzene	10.14	112	402267	19.195	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	149747	19.142	ug/l	100
66) Ethyl Benzene	10.25	91	713788	19.001	ug/l	100
67) m/p-Xylenes	10.35	106	545879	38.278	ug/l	100
68) o-Xylene	10.70	106	261412	19.062	ug/l	100
69) Styrene	10.71	104	448891	19.129	ug/l	100
70) Isopropylbenzene	11.01	105	702385	18.854	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	250939	21.236	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	196799m	20.088	ug/l	100
73) Bromobenzene	11.25	156	181220	19.857	ug/l	100
74) n-propylbenzene	11.35	91	787778	19.136	ug/l	100
75) 2-Chlorotoluene	11.42	91	469324	18.417	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	583488	18.581	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	80388	20.199	ug/l	100
78) 4-Chlorotoluene	11.51	91	528816	18.117	ug/l	100
79) tert-butylbenzene	11.77	119	589902	19.236	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	577972	18.443	ug/l	100
81) sec-Butylbenzene	11.94	105	663459	18.486	ug/l	100
82) p-Isopropyltoluene	12.06	119	612462	18.585	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	311215	18.861	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	309595	18.968	ug/l	100
85) n-Butylbenzene	12.38	91	514422	18.322	ug/l	100
86) Hexachloroethane	12.59	117	106658	18.456	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	317189	19.766	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	52746	18.769	ug/l	100
89) 1,2,4-Trichlorobenzene	13.64	180	211985	20.743	ug/l	100
90) Hexachlorobutadiene	13.77	225	102664	19.875	ug/l	100
91) Naphthalene	13.83	128	683401	20.676	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	217927	20.844	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111119\
Data File : VX013368.D
Acq On : 11 Nov 2019 16:53
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:49:38 AM

Quant Time: Nov 12 01:10:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:01:06 2019
Response via : Initial Calibration

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

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

