

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008108.D
 Acq On : 15 Mar 2019 15:23
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:12 AM

Quant Time: Mar 16 01:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	41697	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	222716	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	197188	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	76871	28.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.50%
60) 4-Bromofluorobenzene	11.13	95	91684	29.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.10%
63) Toluene-d8	8.71	98	264609	29.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	44430	17.949	ug/l 97
3) Chloromethane	1.33	50	40844	14.838	ug/l 95
4) Vinyl Chloride	1.41	62	43091	15.804	ug/l 97
5) Bromomethane	1.65	94	28833	21.211	ug/l 99
6) Chloroethane	1.73	64	27141	17.044	ug/l 94
7) Trichlorofluoromethane	1.93	101	59394	17.493	ug/l 98
8) Diethyl Ether	2.19	74	31790	18.181	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47965	18.790	ug/l 94
10) 1,1-Dichloroethene	2.38	96	45607	18.849	ug/l 97
11) Methyl Iodide	2.51	142	75907	20.041	ug/l 92
12) Methyl Acetate	2.78	43	62340	16.291	ug/l 95
13) Acrolein	2.30	56	37691	83.957	ug/l 96
14) Acrylonitrile	3.15	53	141929	87.374	ug/l 99
15) Acetone	2.45	58	41073	70.035	ug/l 87
16) Carbon Disulfide	2.57	76	130144	17.144	ug/l 98
17) Allyl chloride	2.73	41	77063	15.535	ug/l 92
18) Methylene Chloride	2.86	84	49719	18.038	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	48368	18.893	ug/l 95
20) Diisopropyl ether	3.87	45	158425	17.458	ug/l 95
21) 1,1-Dichloroethane	3.70	63	90534	18.343	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	58501	19.810	ug/l 98
23) tert-Butyl Alcohol	3.07	59	63236	96.495	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	152447	18.325	ug/l 93
25) Chloroform	5.21	83	90207	19.364	ug/l 94
26) Cyclohexane	5.57	56	79373	17.404	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	66547	18.845	ug/l 99
30) 2-Butanone	4.70	43	207788	87.241	ug/l 99
31) 2,2-Dichloropropane	4.59	77	61949	18.993	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	77347	20.255	ug/l 99
33) Carbon Tetrachloride	5.78	117	67723	19.995	ug/l 93
34) Benzene	6.15	78	209189	19.330	ug/l 98
35) Methacrylonitrile	5.06	41	41127	17.720	ug/l 99
36) 1,2-Dichloroethane	6.20	62	67707	19.230	ug/l 97
37) Trichloroethene	7.21	130	59646	20.343	ug/l 99
38) Methylcyclohexane	7.46	83	82195	18.307	ug/l 98
39) 1,2-Dichloropropane	7.52	63	53725	19.036	ug/l 99
40) Dibromomethane	7.66	93	35055	19.581	ug/l 86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008108.D
 Acq On : 15 Mar 2019 15:23
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:12 AM

Quant Time: Mar 16 01:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	63439	18.748	ug/l	98
42) Vinyl Acetate	3.82	43	688775	89.337	ug/l	99
43) Ethyl Acetate	4.86	43	75576	18.217	ug/l #	81
44) Isopropyl Acetate	6.46	43	113271	17.894	ug/l	96
45) 1,4-Dioxane	7.75	88	29564	446.402	ug/l	97
46) Methyl methacrylate	7.77	41	59572	17.894	ug/l	93
47) n-amyl Acetate	10.90	43	94546	17.335	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	69164	18.873	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	78479	18.912	ug/l	93
50) 1,1,2-Trichloroethane	9.21	97	54720	20.053	ug/l	95
51) Ethyl methacrylate	9.18	69	79452	19.199	ug/l	93
52) 1,3-Dichloropropane	9.37	76	88162	19.553	ug/l	99
53) Dibromochloromethane	9.59	129	56301	20.058	ug/l	100
54) 1,2-Dibromoethane	9.67	107	58224	20.409	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	174167	90.488	ug/l	99
56) Bromoform	10.86	173	45179	20.179	ug/l #	96
58) 4-Methyl-2-Pentanone	8.65	43	385560	94.970	ug/l	97
59) 2-Hexanone	9.49	43	293581	91.609	ug/l	96
61) Tetrachloroethene	9.34	164	61946	21.535	ug/l	96
62) Toluene	8.79	91	227273	19.738	ug/l	100
64) Chlorobenzene	10.14	112	148155	20.189	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	54781	20.849	ug/l	99
66) Ethyl Benzene	10.25	91	236697	19.138	ug/l	98
67) m/p-Xylenes	10.36	106	186420	39.310	ug/l	98
68) o-Xylene	10.70	106	91435	19.856	ug/l	98
69) Styrene	10.71	104	151514	19.969	ug/l	98
70) Isopropylbenzene	11.02	105	243925	19.823	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	81876	20.147	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	78965m	20.614	ug/l	
73) Bromobenzene	11.26	156	67898	20.755	ug/l	98
74) n-propylbenzene	11.36	91	264912	19.086	ug/l	100
75) 2-Chlorotoluene	11.42	91	160907	19.341	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	202033	19.811	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	22741	19.214	ug/l	90
78) 4-Chlorotoluene	11.51	91	180776	19.219	ug/l	97
79) tert-butylbenzene	12.06	119	215226	19.667	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	206263	19.929	ug/l	98
81) sec-Butylbenzene	11.94	105	237065	19.340	ug/l	100
82) p-Isopropyltoluene	12.06	119	215226	19.667	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	118035	20.266	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	116793	20.042	ug/l	99
85) n-Butylbenzene	12.38	91	168480	18.002	ug/l	100
86) Hexachloroethane	12.60	117	33962	19.047	ug/l	78
87) 1,2-Dichlorobenzene	12.39	146	119280	20.722	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16588	19.983	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	82062	19.837	ug/l	99
90) Hexachlorobutadiene	13.78	225	45341	19.873	ug/l	97
91) Naphthalene	13.83	128	243262	20.514	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	83781	20.376	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
Data File : VX008108.D
Acq On : 15 Mar 2019 15:23
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
3/16/2019 10:33:12 AM

Quant Time: Mar 16 01:05:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration

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

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

