

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012519\
 Data File : VX007220.D
 Acq On : 25 Jan 2019 10:44
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:05:17 PM

Quant Time: Jan 28 05:51:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 25 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	86115	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	475554	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	419131	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	167211	25.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.17%
60) 4-Bromofluorobenzene	11.14	95	194445	27.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.03%
63) Toluene-d8	8.71	98	567406	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	525477	78.375	ug/l 98
3) Chloromethane	1.33	50	594959	85.527	ug/l 99
4) Vinyl Chloride	1.41	62	700367	98.485	ug/l 100
5) Bromomethane	1.64	94	726844	212.995	ug/l 98
6) Chloroethane	1.71	64	538670	131.936	ug/l 99
7) Trichlorofluoromethane	1.92	101	1236314	136.476	ug/l 98
8) Diethyl Ether	2.19	74	476205	128.952	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	2.38	101	722147	138.810	ug/l 97
10) 1,1-Dichloroethene	2.37	96	670695	136.109	ug/l 91
11) Methyl Iodide	2.51	142	1138809	283.848	ug/l 99
12) Methyl Acetate	2.78	43	1106271	111.335	ug/l 95
13) Acrolein	2.30	56	396202	431.568	ug/l 99
14) Acrylonitrile	3.15	53	2071803	510.227	ug/l 99
15) Acetone	2.45	58	577575	425.520	ug/l 98
16) Carbon Disulfide	2.57	76	1719547	118.978	ug/l 100
17) Allyl chloride	2.73	41	1213474	110.744	ug/l 92
18) Methylene Chloride	2.85	84	736119	128.456	ug/l 94
19) trans-1,2-Dichloroethene	3.17	96	731086	138.870	ug/l 90
20) Diisopropyl ether	3.87	45	2172414	116.280	ug/l # 94
21) 1,1-Dichloroethane	3.70	63	1194875	116.078	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	793810	136.312	ug/l 88
23) tert-Butyl Alcohol	3.10	59	870890	464.670	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	2394072	132.207	ug/l 98
25) Chloroform	5.22	83	1273060	131.407	ug/l 98
26) Cyclohexane	5.57	56	1047507	118.576	ug/l # 88
29) 1,1-Dichloropropene	5.80	75	929561	132.094	ug/l 96
30) 2-Butanone	4.71	43	2662666	465.389	ug/l 96
31) 2,2-Dichloropropane	4.59	77	970822	125.739	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	1120378	138.500	ug/l 97
33) Carbon Tetrachloride	5.78	117	1009367	142.075	ug/l 99
34) Benzene	6.14	78	2802135	131.219	ug/l 97
35) Methacrylonitrile	5.06	41	562957	105.879	ug/l 93
36) 1,2-Dichloroethane	6.20	62	964628	125.389	ug/l 99
37) Trichloroethene	7.21	130	835113	148.464	ug/l 94
38) Methylcyclohexane	7.46	83	1159854	138.824	ug/l 89
39) 1,2-Dichloropropane	7.52	63	715869	125.815	ug/l 96
40) Dibromomethane	7.66	93	513809	139.326	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012519\
 Data File : VX007220.D
 Acq On : 25 Jan 2019 10:44
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:05:17 PM

Quant Time: Jan 28 05:51:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 25 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	968592	136.240	ug/l	97
42) Vinyl Acetate	3.83	43	9425210	569.409	ug/l	96
43) Ethyl Acetate	4.86	43	1002411	106.211	ug/l	99
44) Isopropyl Acetate	6.46	43	1639025	116.373	ug/l	99
45) 1,4-Dioxane	7.76	88	370237	2231.245	ug/l	90
46) Methyl methacrylate	7.77	41	836820	114.520	ug/l	93
47) n-amyl Acetate	10.90	43	1536444	118.240	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	1099604	135.197	ug/l	96
49) cis-1,3-Dichloropropene	8.44	75	1177798	133.597	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	751213	134.545	ug/l	99
51) Ethyl methacrylate	9.18	69	1131522	127.698	ug/l	93
52) 1,3-Dichloropropane	9.37	76	1199371	127.329	ug/l	99
53) Dibromochloromethane	9.59	129	858085	148.133	ug/l	99
54) 1,2-Dibromoethane	9.67	107	827578	142.229	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	3108944	664.929	ug/l	98
56) Bromoform	10.86	173	689491	142.528	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	5323334	565.667	ug/l	97
59) 2-Hexanone	9.50	43	4174422	538.400	ug/l	99
61) Tetrachloroethene	9.34	164	804478	157.721	ug/l	97
62) Toluene	8.79	91	3150963	143.048	ug/l	100
64) Chlorobenzene	10.14	112	2057144	144.612	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	780821	150.995	ug/l	99
66) Ethyl Benzene	10.25	91	3432535	142.739	ug/l	96
67) m/p-Xylenes	10.36	106	2740957	292.732	ug/l	93
68) o-Xylene	10.70	106	1324112	146.704	ug/l	94
69) Styrene	10.71	104	2221434	146.369	ug/l	98
70) Isopropylbenzene	11.02	105	3508207	145.156	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	1151341	128.256	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	1051514m	128.575	ug/l	
73) Bromobenzene	11.26	156	966648	145.501	ug/l	94
74) n-propylbenzene	11.36	91	4007026	140.909	ug/l	96
75) 2-Chlorotoluene	11.42	91	2334896	134.628	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	2997227	143.729	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	385882	143.511	ug/l	94
78) 4-Chlorotoluene	11.51	91	2811403	139.462	ug/l	97
79) tert-butylbenzene	12.07	119	3265188	147.538	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	2999851	141.059	ug/l	97
81) sec-Butylbenzene	11.94	105	3597322	146.138	ug/l	98
82) p-Isopropyltoluene	12.07	119	3265188	147.538	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	1765072	143.674	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	1778701	142.671	ug/l	99
85) n-Butylbenzene	12.39	91	2975557	148.030	ug/l	98
86) Hexachloroethane	12.60	117	571810	156.856	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	1793225	143.592	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	256997	123.890	ug/l	84
89) 1,2,4-Trichlorobenzene	13.65	180	1283216	137.743	ug/l	99
90) Hexachlorobutadiene	13.78	225	585953	127.404	ug/l	99
91) Naphthalene	13.83	128	3843799	132.695	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	1252524	131.117	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
Data File : VX007220.D
Acq On : 25 Jan 2019 10:44
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:17 PM

Quant Time: Jan 28 05:51:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 25 09:22:37 2019
Response via : Initial Calibration

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

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

