

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032520\
 Data File : VX015348.D
 Acq On : 25 Mar 2020 18:54
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

apatel
 3/26/2020 11:01:16 AM

Quant Time: Mar 26 02:26:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:14:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	195100	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1099981	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1003273	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	456724	33.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	112.97%
60) 4-Bromofluorobenzene	11.12	95	508487	31.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.23%
63) Toluene-d8	8.70	98	1270605	29.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	443759	46.185	ug/l 99
3) Chloromethane	1.31	50	566453	42.462	ug/l 99
4) Vinyl Chloride	1.39	62	545080	40.271	ug/l 100
5) Bromomethane	1.62	94	326654	36.756	ug/l 98
6) Chloroethane	1.71	64	343436	40.295	ug/l 98
7) Trichlorofluoromethane	1.92	101	783122	44.462	ug/l 95
8) Diethyl Ether	2.17	74	302785	39.722	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	520170	47.243	ug/l 98
10) 1,1-Dichloroethene	2.36	96	525374	47.306	ug/l 96
11) Methyl Iodide	2.49	142	780912	63.723	ug/l 97
12) Methyl Acetate	2.75	43	776502	54.337	ug/l 96
13) Acrolein	2.27	56	500135	229.528	ug/l 95
14) Acrylonitrile	3.12	53	1675566	255.079	ug/l 100
15) Acetone	2.42	58	428482	236.447	ug/l 86
16) Carbon Disulfide	2.55	76	1539993	48.300	ug/l 99
17) Allyl chloride	2.71	41	1195180	55.136	ug/l 98
18) Methylene Chloride	2.84	84	596520	47.056	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	568436	46.628	ug/l 99
20) Diisopropyl ether	3.83	45	2149249	50.896	ug/l 97
21) 1,1-Dichloroethane	3.67	63	1099196	49.508	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	662437	48.432	ug/l 99
23) tert-Butyl Alcohol	3.01	59	826884	304.188	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	1980864	52.988	ug/l 99
25) Chloroform	5.18	83	1084257	51.587	ug/l 97
26) Cyclohexane	5.56	56	1030938	50.050	ug/l # 99
29) 1,1-Dichloropropene	5.78	75	830068	49.482	ug/l 99
30) 2-Butanone	4.64	43	2499842	271.785	ug/l 100
31) 2,2-Dichloropropane	4.55	77	989269	54.964	ug/l 99
32) 1,1,1-Trichloroethane	5.47	97	1014837	54.325	ug/l 99
33) Carbon Tetrachloride	5.76	117	917356	56.541	ug/l 97
34) Benzene	6.12	78	2393070	47.604	ug/l 99
35) Methacrylonitrile	5.01	41	558103	55.072	ug/l 95
36) 1,2-Dichloroethane	6.17	62	934209	54.043	ug/l 99
37) Trichloroethene	7.19	130	667017	47.447	ug/l 97
38) Methylcyclohexane	7.44	83	1010481	48.838	ug/l 98
39) 1,2-Dichloropropane	7.50	63	639452	48.462	ug/l 98
40) Dibromomethane	7.64	93	426476	50.554	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032520\
 Data File : VX015348.D
 Acq On : 25 Mar 2020 18:54
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

apatel
 3/26/2020 11:01:16 AM

Quant Time: Mar 26 02:26:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:14:07 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.88	83	926154	54.101	ug/l	98
42) Vinyl Acetate	3.79	43	9691999	264.566	ug/l	100
43) Ethyl Acetate	4.80	43	1007292	56.577	ug/l	98
44) Isopropyl Acetate	6.42	43	1755754	58.381	ug/l	99
45) 1,4-Dioxane	7.72	88	324161	1094.130	ug/l	98
46) Methyl methacrylate	7.75	41	876470	58.504	ug/l	99
47) n-amyl Acetate	10.88	43	1498838	55.986	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	1077147	57.104	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	1110640	53.174	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	608171	48.987	ug/l	98
51) Ethyl methacrylate	9.16	69	1054717	53.385	ug/l	98
52) 1,3-Dichloropropane	9.36	76	1058015	50.077	ug/l	99
53) Dibromochloromethane	9.57	129	747352	54.675	ug/l	98
54) 1,2-Dibromoethane	9.65	107	647496	50.191	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	2513475	255.071	ug/l	99
56) Bromoform	10.84	173	608956	56.745	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	4869705	273.964	ug/l	100
59) 2-Hexanone	9.48	43	3698074	275.565	ug/l	99
61) Tetrachloroethene	9.32	164	643949	46.668	ug/l	98
62) Toluene	8.77	91	2558823	48.144	ug/l	99
64) Chlorobenzene	10.12	112	1639059	48.854	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	663651	52.700	ug/l	99
66) Ethyl Benzene	10.24	91	2951156	49.942	ug/l	99
67) m/p-Xylenes	10.34	106	2207720	97.786	ug/l	97
68) o-Xylene	10.68	106	1079110	49.589	ug/l	98
69) Styrene	10.70	104	1885719	49.835	ug/l	99
70) Isopropylbenzene	11.00	105	2866385	49.613	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	907386	48.437	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	860973m	54.721	ug/l	
73) Bromobenzene	11.24	156	770042	49.170	ug/l	96
74) n-propylbenzene	11.35	91	3309097	48.390	ug/l	99
75) 2-Chlorotoluene	11.41	91	1982558	49.372	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	2459206	49.563	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	366802	54.625	ug/l	99
78) 4-Chlorotoluene	11.49	91	2302266	49.855	ug/l	98
79) tert-butylbenzene	11.76	119	2425949	51.066	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	2497979	50.275	ug/l	99
81) sec-Butylbenzene	11.93	105	2830915	48.722	ug/l	100
82) p-Isopropyltoluene	12.05	119	2669584	49.957	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	1351432	48.321	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	1365530	48.654	ug/l	99
85) n-Butylbenzene	12.37	91	2382334	50.588	ug/l	99
86) Hexachloroethane	12.58	117	509912	53.401	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	1342007	49.092	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	241062	58.412	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	1071980	52.430	ug/l	97
90) Hexachlorobutadiene	13.77	225	539611	51.678	ug/l	98
91) Naphthalene	13.82	128	3188033	55.050	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	1064586	51.716	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032520\
Data File : VX015348.D
Acq On : 25 Mar 2020 18:54
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:16 AM

Quant Time: Mar 26 02:26:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:14:07 2020
Response via : Initial Calibration

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

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

