

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008409.D
 Acq On : 25 Mar 2019 13:44
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:21 AM

Quant Time: Mar 26 04:48:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	213152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	358976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	5318	1.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.30%	
35) Dibromofluoromethane	5.49	113	3627	1.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.12%	
50) Toluene-d8	8.71	98	12182	1.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.64%	
62) 4-Bromofluorobenzene	11.13	95	3897	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3613	1.505	ug/l	91
3) Chloromethane	1.32	50	5363	1.515	ug/l	98
4) Vinyl Chloride	1.40	62	4744	1.366	ug/l	92
5) Bromomethane	1.64	94	3296	1.548	ug/l	99
6) Chloroethane	1.73	64	3144	1.528	ug/l	93
7) Trichlorofluoromethane	1.93	101	5558	1.412	ug/l	98
8) Diethyl Ether	2.18	74	2773	1.467	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3592	1.535	ug/l	97
10) Methyl Iodide	2.51	142	2484	0.880	ug/l	98
11) Tert butyl alcohol	3.03	59	5011	6.926	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	3662	1.511	ug/l #	90
13) Acrolein	2.29	56	5316	9.022	ug/l	93
14) Allyl chloride	2.73	41	7321	1.370	ug/l	96
15) Acrylonitrile	3.14	53	12082	6.561	ug/l	93
16) Acetone	2.44	43	12084	7.442	ug/l	97
17) Carbon Disulfide	2.57	76	12750	1.650	ug/l	98
18) Methyl Acetate	2.77	43	5518	1.367	ug/l	93
19) Methyl tert-butyl Ether	3.19	73	11571	1.327	ug/l	93
20) Methylene Chloride	2.85	84	4713	1.612	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	3977	1.521	ug/l	98
22) Diisopropyl ether	3.85	45	13872	1.331	ug/l #	85
23) Vinyl Acetate	3.81	43	58576	6.374	ug/l	98
24) 1,1-Dichloroethane	3.69	63	7718	1.454	ug/l	99
25) 2-Butanone	4.67	43	17202	6.465	ug/l	98
26) 2,2-Dichloropropane	4.57	77	4925	1.430	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	4329	1.445	ug/l	99
28) Bromochloromethane	5.01	49	3701	1.417	ug/l #	96
29) Tetrahydrofuran	5.13	42	11805	6.715	ug/l	97
30) Chloroform	5.20	83	6875	1.436	ug/l	93
31) Cyclohexane	5.58	56	7321	1.441	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	5235	1.379	ug/l #	52
36) 1,1-Dichloropropene	5.80	75	5525	1.509	ug/l	96
37) Ethyl Acetate	4.84	43	6542	1.325	ug/l #	88
38) Carbon Tetrachloride	5.78	117	4487	1.426	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008409.D
 Acq On : 25 Mar 2019 13:44
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:21 AM

Quant Time: Mar 26 04:48:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	6595	1.468	ug/l	96
40) Benzene	6.14	78	16216	1.452	ug/l	99
41) Methacrylonitrile	5.04	41	3588	1.331	ug/l #	89
42) 1,2-Dichloroethane	6.19	62	6051	1.493	ug/l	98
43) Isopropyl Acetate	6.45	43	10576	1.372	ug/l	98
44) Trichloroethene	7.21	130	3718	1.433	ug/l	92
45) 1,2-Dichloropropane	7.51	63	4797	1.517	ug/l	97
46) Dibromomethane	7.66	93	2753	1.470	ug/l	93
47) Bromodichloromethane	7.90	83	4744	1.326	ug/l	99
48) Methyl methacrylate	7.77	41	4718	1.209	ug/l	95
49) 1,4-Dioxane	7.74	88	2150	27.294	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	31916	6.286	ug/l	99
52) Toluene	8.78	92	9638	1.468	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	4561	1.183	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	5208	1.196	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	3940	1.445	ug/l	93
56) Ethyl methacrylate	9.18	69	5914	1.224	ug/l	99
57) 1,3-Dichloropropane	9.37	76	6910	1.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	17591	6.813	ug/l	99
59) 2-Hexanone	9.49	43	24860	6.346	ug/l	98
60) Dibromochloromethane	9.58	129	3166	1.250	ug/l	94
61) 1,2-Dibromoethane	9.67	107	3829	1.385	ug/l	99
64) Tetrachloroethene	9.34	164	3206	1.572	ug/l	94
65) Chlorobenzene	10.13	112	9660	1.474	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	2982	1.311	ug/l #	64
67) Ethyl Benzene	10.25	91	17783	1.446	ug/l	97
68) m/p-Xylenes	10.35	106	12808	2.899	ug/l	93
69) o-Xylene	10.70	106	6145	1.423	ug/l	98
70) Styrene	10.71	104	9859	1.316	ug/l	98
71) Bromoform	10.85	173	2119	1.202	ug/l #	98
73) Isopropylbenzene	11.02	105	15974	1.439	ug/l	98
74) N-amyl acetate	10.90	43	7772	1.195	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.26	83	5853	1.326	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	5579m	1.514	ug/l	
77) Bromobenzene	11.26	156	4069	1.543	ug/l	97
78) n-propylbenzene	11.36	91	18329	1.409	ug/l	99
79) 2-Chlorotoluene	11.42	91	11178	1.407	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	13321	1.410	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	1468	1.139	ug/l #	71
82) 4-Chlorotoluene	11.51	91	13023	1.425	ug/l	97
83) tert-Butylbenzene	11.77	119	12613	1.405	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	13139	1.392	ug/l	100
85) sec-Butylbenzene	11.94	105	15024	1.392	ug/l	100
86) p-Isopropyltoluene	12.06	119	13142	1.381	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	6964	1.472	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	7686m	1.594	ug/l	
89) n-Butylbenzene	12.38	91	12140	1.338	ug/l	98
90) Hexachloroethane	12.60	117	2177	1.382	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	7125	1.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1226	1.306	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
Data File : VX008409.D
Acq On : 25 Mar 2019 13:44
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

MMDadoda
3/26/2019 9:46:21 AM

Quant Time: Mar 26 04:48:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:13:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4640	1.429	ug/l	98
94) Hexachlorobutadiene	13.78	225	2208	1.440	ug/l	91
95) Naphthalene	13.83	128	15351	1.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	4762	1.460	ug/l	96

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

