

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008932.D
 Acq On : 13 Apr 2019 15:22
 Operator : JC/SP
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:55:37 PM

Quant Time: Apr 15 03:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	162113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	106570	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
35) Dibromofluoromethane	5.50	113	80307	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	8.71	98	312923	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	11.13	95	111977	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39857	21.359	ug/l	99
3) Chloromethane	1.32	50	46998	19.521	ug/l	96
4) Vinyl Chloride	1.41	62	46422	18.403	ug/l	99
5) Bromomethane	1.64	94	26203	22.177	ug/l	98
6) Chloroethane	1.72	64	28851	19.069	ug/l	99
7) Trichlorofluoromethane	1.93	101	55840	20.025	ug/l	97
8) Diethyl Ether	2.19	74	25592	19.353	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34606	19.276	ug/l	97
10) Methyl Iodide	2.51	142	34030	23.149	ug/l	98
11) Tert butyl alcohol	3.05	59	57491	103.856	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35212	18.788	ug/l	97
13) Acrolein	2.29	56	23601	85.983	ug/l	99
14) Allyl chloride	2.73	41	79961	18.637	ug/l	100
15) Acrylonitrile	3.14	53	141724	96.642	ug/l	100
16) Acetone	2.45	43	126173	92.646	ug/l	100
17) Carbon Disulfide	2.57	76	100837	18.161	ug/l	100
18) Methyl Acetate	2.78	43	65740	19.903	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	136491	20.393	ug/l	100
20) Methylene Chloride	2.85	84	40952	17.964	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	37970	18.730	ug/l	93
22) Diisopropyl ether	3.86	45	159722	19.315	ug/l	98
23) Vinyl Acetate	3.82	43	725494	100.849	ug/l	100
24) 1,1-Dichloroethane	3.70	63	78655	19.211	ug/l	99
25) 2-Butanone	4.68	43	211039	98.043	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53427	18.527	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	43961	18.861	ug/l	90
28) Bromochloromethane	5.02	49	34416	18.198	ug/l	98
29) Tetrahydrofuran	5.13	42	140074	98.045	ug/l	99
30) Chloroform	5.21	83	71716	19.611	ug/l	97
31) Cyclohexane	5.58	56	76801	18.799	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	59318	20.073	ug/l	99
36) 1,1-Dichloropropene	5.80	75	54065	18.480	ug/l	98
37) Ethyl Acetate	4.84	43	80164	20.528	ug/l	98
38) Carbon Tetrachloride	5.79	117	48502	20.030	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041319\
 Data File : VX008932.D
 Acq On : 13 Apr 2019 15:22
 Operator : JC/SP
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:55:37 PM

Quant Time: Apr 15 03:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67648	18.718	ug/l	98
40) Benzene	6.14	78	169701	19.471	ug/l	99
41) Methacrylonitrile	5.04	41	44260	19.718	ug/l	99
42) 1,2-Dichloroethane	6.20	62	60218	19.272	ug/l	99
43) Isopropyl Acetate	6.45	43	124802	20.401	ug/l	100
44) Trichloroethene	7.21	130	40149	19.778	ug/l	95
45) 1,2-Dichloropropane	7.51	63	47757	19.197	ug/l	98
46) Dibromomethane	7.66	93	27065	18.758	ug/l	96
47) Bromodichloromethane	7.90	83	53468	19.654	ug/l	98
48) Methyl methacrylate	7.77	41	62823	20.302	ug/l	100
49) 1,4-Dioxane	7.74	88	20653	356.282	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	402785	102.283	ug/l	99
52) Toluene	8.79	92	100800	19.617	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61333	20.127	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68261	19.604	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41572	20.155	ug/l	96
56) Ethyl methacrylate	9.18	69	74431	19.944	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73588	19.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	171199	89.841	ug/l	98
59) 2-Hexanone	9.49	43	309568	101.154	ug/l	100
60) Dibromochloromethane	9.58	129	39183	20.160	ug/l	100
61) 1,2-Dibromoethane	9.67	107	42306	19.702	ug/l	98
64) Tetrachloroethene	9.34	164	35753	20.616	ug/l	98
65) Chlorobenzene	10.14	112	102187	19.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37131	20.398	ug/l	98
67) Ethyl Benzene	10.25	91	189388	19.574	ug/l	97
68) m/p-Xylenes	10.36	106	136778	39.318	ug/l	97
69) o-Xylene	10.70	106	66434	19.706	ug/l	99
70) Styrene	10.71	104	114858	19.764	ug/l	100
71) Bromoform	10.85	173	28714	20.654	ug/l #	98
73) Isopropylbenzene	11.02	105	178805	20.051	ug/l	100
74) N-amyl acetate	10.90	43	108975	20.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67597	19.932	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56765m	19.204	ug/l	
77) Bromobenzene	11.26	156	43242	20.171	ug/l	96
78) n-propylbenzene	11.36	91	202259	19.480	ug/l	99
79) 2-Chlorotoluene	11.42	91	120089	19.112	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	150582	20.117	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21549	20.095	ug/l	100
82) 4-Chlorotoluene	11.51	91	139414	19.168	ug/l	98
83) tert-Butylbenzene	11.77	119	146522	20.346	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	151388	19.974	ug/l	99
85) sec-Butylbenzene	11.94	105	171813	20.085	ug/l	99
86) p-Isopropyltoluene	12.06	119	155162	20.209	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75494	19.671	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75635	19.462	ug/l	100
89) n-Butylbenzene	12.38	91	143110	19.876	ug/l	99
90) Hexachloroethane	12.60	117	25444	19.981	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	74829	19.638	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15108	20.251	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041319\
Data File : VX008932.D
Acq On : 13 Apr 2019 15:22
Operator : JC/SP
Sample : VX0413WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Manual Integrations
APPROVED

MMDadoda
4/15/2019 12:55:37 PM

Quant Time: Apr 15 03:29:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53160	20.065	ug/l	98
94) Hexachlorobutadiene	13.78	225	26051	20.503	ug/l	98
95) Naphthalene	13.83	128	183246	20.695	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53144	20.076	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008932.D
 Acq On : 13 Apr 2019 15:22
 Operator : JC/SP
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VX0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:55:37 PM

Quant Time: Apr 15 03:29:24 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

