

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019140.D
 Acq On : 27 Oct 2020 16:49
 Operator : JC/MD
 Sample : L4214-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:32:55 PM

Quant Time: Oct 28 03:31:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	279970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	462149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	178219	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	5.46	113	140594	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.70	98	537512	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.12	95	195748	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	1939	0.831	ug/l	94
3) Chloromethane	1.31	50	2026	0.777	ug/l #	77
4) Vinyl Chloride	1.39	62	2165	0.716	ug/l	96
5) Bromomethane	1.64	94	2117	1.025	ug/l	100
6) Chloroethane	1.72	64	1491	0.772	ug/l	99
7) Trichlorofluoromethane	1.92	101	3550	0.747	ug/l	98
8) Diethyl Ether	2.17	74	1470	0.806	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1999	0.759	ug/l	98
10) Methyl Iodide	2.50	142	1308	0.489	ug/l	92
11) Tert butyl alcohol	3.03	59	2924	4.100	ug/l	98
12) 1,1-Dichloroethene	2.36	96	2158	0.795	ug/l	89
13) Acrolein	2.28	56	1967	5.662	ug/l	85
14) Allyl chloride	2.70	41	2989	0.727	ug/l	96
15) Acrylonitrile	3.12	53	5568	3.716	ug/l	98
16) Acetone	2.43	43	4859	3.901	ug/l	100
17) Carbon Disulfide	2.55	76	6872	0.833	ug/l	98
18) Methyl Acetate	2.75	43	2384	0.787	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	6720	0.715	ug/l	95
20) Methylene Chloride	2.84	84	2590	0.828	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	2303	0.737	ug/l	93
22) Diisopropyl ether	3.82	45	5617	0.686	ug/l #	51
23) Vinyl Acetate	3.79	43	23825	3.261	ug/l	99
24) 1,1-Dichloroethane	3.67	63	3591	0.702	ug/l #	92
25) 2-Butanone	4.65	43	6603	3.364	ug/l	99
26) 2,2-Dichloropropane	4.56	77	3306	0.687	ug/l	91
27) cis-1,2-Dichloroethene	4.56	96	2555	0.732	ug/l	92
28) Bromochloromethane	4.99	49	1544	0.664	ug/l #	98
29) Tetrahydrofuran	5.10	42	4769	3.855	ug/l	95
30) Chloroform	5.18	83	3816	0.701	ug/l	98
31) Cyclohexane	5.54	56	3030	0.664	ug/l #	86
32) 1,1,1-Trichloroethane	5.46	97	3410	0.691	ug/l #	50
36) 1,1-Dichloropropene	5.78	75	3180	0.745	ug/l	97
37) Ethyl Acetate	4.79	43	3474	0.877	ug/l #	88
38) Carbon Tetrachloride	5.76	117	3283m	0.755	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019140.D
 Acq On : 27 Oct 2020 16:49
 Operator : JC/MD
 Sample : L4214-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:32:55 PM

Quant Time: Oct 28 03:31:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3607	0.707	ug/l	95
40) Benzene	6.12	78	8361	0.691	ug/l	98
41) Methacrylonitrile	5.01	41	1786m	0.837	ug/l	
42) 1,2-Dichloroethane	6.16	62	3429	0.769	ug/l	96
43) Isopropyl Acetate	6.41	43	4993	0.753	ug/l	96
44) Trichloroethene	7.19	130	2600	0.750	ug/l	85
45) 1,2-Dichloropropane	7.49	63	2007	0.677	ug/l #	82
46) Dibromomethane	7.64	93	1563	0.713	ug/l	98
47) Bromodichloromethane	7.87	83	2888	0.669	ug/l	94
48) Methyl methacrylate	7.75	41	2309	0.723	ug/l	94
49) 1,4-Dioxane	7.74	88	992	13.969	ug/l #	68
51) 4-Methyl-2-Pentanone	8.62	43	13315	3.492	ug/l	98
52) Toluene	8.76	92	5623	0.722	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	3137	0.636	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	3521	0.679	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	2163	0.702	ug/l #	86
56) Ethyl methacrylate	9.16	69	2975	0.640	ug/l #	84
57) 1,3-Dichloropropane	9.35	76	3607	0.695	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	7409	2.848	ug/l	95
59) 2-Hexanone	9.48	43	9878	3.403	ug/l	97
60) Dibromochloromethane	9.56	129	2124	0.636	ug/l	99
61) 1,2-Dibromoethane	9.66	107	2203	0.669	ug/l	100
64) Tetrachloroethene	9.32	164	2550	0.809	ug/l	90
65) Chlorobenzene	10.12	112	5865	0.694	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.20	131	2039	0.670	ug/l #	66
67) Ethyl Benzene	10.23	91	10406	0.691	ug/l	99
68) m/p-Xylenes	10.34	106	7714	1.365	ug/l	97
69) o-Xylene	10.68	106	3952	0.737	ug/l	88
70) Styrene	10.70	104	5932	0.648	ug/l	94
71) Bromoform	10.84	173	1491	0.618	ug/l #	96
73) Isopropylbenzene	11.00	105	9701	0.696	ug/l	97
74) N-amyl acetate	10.88	43	3555	0.697	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	3188	0.731	ug/l	93
76) 1,2,3-Trichloropropane	11.28	75	3284m	0.807	ug/l	
77) Bromobenzene	11.24	156	2501	0.722	ug/l	92
78) n-propylbenzene	11.34	91	11219	0.705	ug/l	100
79) 2-Chlorotoluene	11.40	91	7172	0.765	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	7982	0.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	944m	0.611	ug/l	
82) 4-Chlorotoluene	11.49	91	8489	0.742	ug/l	99
83) tert-Butylbenzene	11.76	119	7803	0.692	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	8070	0.678	ug/l	98
85) sec-Butylbenzene	11.93	105	9107	0.673	ug/l	98
86) p-Isopropyltoluene	12.05	119	8509	0.681	ug/l	91
87) 1,3-Dichlorobenzene	12.01	146	4619	0.716	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	5270m	0.785	ug/l	
89) n-Butylbenzene	12.37	91	7862	0.670	ug/l	99
90) Hexachloroethane	12.58	117	1300	0.612	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	4612	0.745	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	763	0.715	ug/l	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
Data File : VX019140.D
Acq On : 27 Oct 2020 16:49
Operator : JC/MD
Sample : L4214-09 .75PPB MDL
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:32:55 PM

Quant Time: Oct 28 03:31:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 28 03:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3360	0.723	ug/l	91
94) Hexachlorobutadiene	13.77	225	1369	0.669	ug/l	94
95) Naphthalene	13.82	128	8915	0.609	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	2961	0.656	ug/l	97

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

