

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010090.D
 Acq On : 05 Jun 2019 20:22
 Operator : JC/SP
 Sample : K3190-17MSD 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:28 AM

Quant Time: Jun 06 07:30:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	156653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106077	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	5.50	113	78848	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	8.71	98	319197	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	118271	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	102190	53.383	ug/l	100
3) Chloromethane	1.32	50	116996	45.462	ug/l	99
4) Vinyl Chloride	1.41	62	108812	46.903	ug/l	99
5) Bromomethane	1.64	94	74841	53.245	ug/l	97
6) Chloroethane	1.71	64	65619	45.948	ug/l	96
7) Trichlorofluoromethane	1.92	101	124506	48.567	ug/l	100
8) Diethyl Ether	2.19	74	54439	45.189	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74409	48.075	ug/l	99
10) Methyl Iodide	2.51	142	96733	50.428	ug/l	99
11) Tert butyl alcohol	3.06	59	133908	245.891	ug/l	100
12) 1,1-Dichloroethene	2.37	96	78317	49.365	ug/l	99
13) Acrolein	2.29	56	87545	228.749	ug/l	99
14) Allyl chloride	2.73	41	184530	47.856	ug/l	99
15) Acrylonitrile	3.14	53	313546	238.954	ug/l	100
16) Acetone	2.45	43	274073	214.364	ug/l	99
17) Carbon Disulfide	2.57	76	233712	48.662	ug/l	99
18) Methyl Acetate	2.78	43	138592	46.586	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	298475	49.833	ug/l	98
20) Methylene Chloride	2.85	84	93234	47.619	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	84300	47.756	ug/l	97
22) Diisopropyl ether	3.85	45	356088	48.536	ug/l	95
23) Vinyl Acetate	3.81	43	1625671	246.655	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172818	48.606	ug/l	100
25) 2-Butanone	4.67	43	471135	236.520	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107328	39.905	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	97555	47.876	ug/l	95
28) Bromochloromethane	5.02	49	79613	43.150	ug/l	96
29) Tetrahydrofuran	5.13	42	311759	244.066	ug/l	99
30) Chloroform	5.21	83	158613	49.466	ug/l	99
31) Cyclohexane	5.58	56	168841	50.139	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	133199	51.007	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123066	48.671	ug/l	100
37) Ethyl Acetate	4.84	43	174132	49.425	ug/l	99
38) Carbon Tetrachloride	5.78	117	112781	51.616	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010090.D
 Acq On : 05 Jun 2019 20:22
 Operator : JC/SP
 Sample : K3190-17MSD 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:28 AM

Quant Time: Jun 06 07:30:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	146676	48.904	ug/l	98
40) Benzene	6.14	78	376041	50.134	ug/l	99
41) Methacrylonitrile	5.04	41	100714	48.921	ug/l	99
42) 1,2-Dichloroethane	6.19	62	137378	49.542	ug/l	100
43) Isopropyl Acetate	6.45	43	276520	48.642	ug/l	99
44) Trichloroethene	7.21	130	90413	49.624	ug/l	96
45) 1,2-Dichloropropane	7.51	63	106345	49.252	ug/l	96
46) Dibromomethane	7.66	93	61977	48.764	ug/l	97
47) Bromodichloromethane	7.90	83	125016	51.726	ug/l	98
48) Methyl methacrylate	7.77	41	142667	50.696	ug/l	99
49) 1,4-Dioxane	7.74	88	54978	1050.277	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	939865	254.153	ug/l	100
52) Toluene	8.78	92	234982	51.597	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	143198	49.403	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	154794	49.014	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	93188	50.839	ug/l	99
56) Ethyl methacrylate	9.18	69	173741	53.241	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165958	50.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	349256	204.101	ug/l	99
59) 2-Hexanone	9.49	43	726745	255.256	ug/l	99
60) Dibromochloromethane	9.58	129	95314	52.861	ug/l	99
61) 1,2-Dibromoethane	9.67	107	96650	51.324	ug/l	100
64) Tetrachloroethene	9.34	164	80073	49.125	ug/l	99
65) Chlorobenzene	10.13	112	242580	49.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88821	52.420	ug/l	99
67) Ethyl Benzene	10.25	91	449774	51.276	ug/l	99
68) m/p-Xylenes	10.36	106	331782	102.385	ug/l	98
69) o-Xylene	10.70	106	160565	51.665	ug/l	100
70) Styrene	10.71	104	285031	52.303	ug/l	99
71) Bromoform	10.85	173	74811	54.014	ug/l	99
73) Isopropylbenzene	11.02	105	426808	49.801	ug/l	99
74) N-amyl acetate	10.90	43	251244	49.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	154024	48.173	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135828m	48.901	ug/l	
77) Bromobenzene	11.26	156	108833	49.830	ug/l	95
78) n-propylbenzene	11.36	91	495691	50.179	ug/l	100
79) 2-Chlorotoluene	11.42	91	294164	48.739	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	364598	50.498	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52517	46.779	ug/l	99
82) 4-Chlorotoluene	11.51	91	342119	48.693	ug/l	99
83) tert-Butylbenzene	11.77	119	349443	50.589	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	365227	49.811	ug/l	100
85) sec-Butylbenzene	11.94	105	411010	50.016	ug/l	99
86) p-Isopropyltoluene	12.06	119	373380	50.515	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190399	48.966	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	190581	48.060	ug/l	99
89) n-Butylbenzene	12.38	91	333923	48.071	ug/l	99
90) Hexachloroethane	12.59	117	64433	50.796	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	190328	49.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35570	47.263	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
Data File : VX010090.D
Acq On : 05 Jun 2019 20:22
Operator : JC/SP
Sample : K3190-17MSD 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:28 AM

Quant Time: Jun 06 07:30:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134620	49.138	ug/l	100
94) Hexachlorobutadiene	13.78	225	59546	43.334	ug/l	100
95) Naphthalene	13.83	128	431903	50.660	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134265	48.961	ug/l	98

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

