

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013987.D
 Acq On : 12 Dec 2019 19:52
 Operator : JC/SP
 Sample : K6249-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:24 AM

Quant Time: Dec 13 04:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	490115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	771654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	705489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	365799	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	266991	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	5.49	113	224234	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	837317	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	11.14	95	312094	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	233933	42.882	ug/l	97
3) Chloromethane	1.31	50	281078	45.919	ug/l	100
4) Vinyl Chloride	1.40	62	315493	45.793	ug/l	100
5) Bromomethane	1.63	94	214094	46.272	ug/l	99
6) Chloroethane	1.70	64	191457	48.835	ug/l	96
7) Trichlorofluoromethane	1.91	101	348726	45.584	ug/l	97
8) Diethyl Ether	2.18	74	168611	48.717	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	217757	46.601	ug/l	100
10) Methyl Iodide	2.50	142	297397	52.613	ug/l	99
11) Tert butyl alcohol	3.05	59	318688	226.944	ug/l	99
12) 1,1-Dichloroethene	2.36	96	214422	45.971	ug/l	99
13) Acrolein	2.28	56	209291	223.508	ug/l	99
14) Allyl chloride	2.72	41	395883	46.770	ug/l	100
15) Acrylonitrile	3.13	53	702104	242.218	ug/l	100
16) Acetone	2.44	43	590405	210.199	ug/l	100
17) Carbon Disulfide	2.56	76	505980	38.054	ug/l	100
18) Methyl Acetate	2.76	43	392406	50.171	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	761575	49.287	ug/l	100
20) Methylene Chloride	2.84	84	259726	48.131	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	230724	45.407	ug/l	96
22) Diisopropyl ether	3.84	45	830185	50.936	ug/l	99
23) Vinyl Acetate	3.80	43	3197600	235.832	ug/l	99
24) 1,1-Dichloroethane	3.69	63	554291	62.211	ug/l	99
25) 2-Butanone	4.66	43	974658	233.484	ug/l	99
26) 2,2-Dichloropropane	4.57	77	315454	42.792	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	279928	47.972	ug/l	98
28) Bromochloromethane	5.00	49	190858	54.207	ug/l	97
29) Tetrahydrofuran	5.12	42	628501	244.231	ug/l	99
30) Chloroform	5.20	83	438965	48.579	ug/l	100
31) Cyclohexane	5.57	56	377403	44.908	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	362322	47.983	ug/l	99
36) 1,1-Dichloropropene	5.79	75	314154	44.849	ug/l	99
37) Ethyl Acetate	4.82	43	360316	45.852	ug/l	99
38) Carbon Tetrachloride	5.78	117	300678	46.552	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013987.D
 Acq On : 12 Dec 2019 19:52
 Operator : JC/SP
 Sample : K6249-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:24 AM

Quant Time: Dec 13 04:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	368406	42.549	ug/l	98
40) Benzene	6.14	78	1001185	46.929	ug/l	99
41) Methacrylonitrile	5.03	41	212402	49.286	ug/l	98
42) 1,2-Dichloroethane	6.18	62	346440	47.616	ug/l	99
43) Isopropyl Acetate	6.43	43	597389	46.177	ug/l	100
44) Trichloroethene	7.21	130	289674	49.474	ug/l	96
45) 1,2-Dichloropropane	7.51	63	265642	49.767	ug/l	99
46) Dibromomethane	7.65	93	168453	46.467	ug/l	98
47) Bromodichloromethane	7.89	83	333002	48.590	ug/l	99
48) Methyl methacrylate	7.76	41	308453	49.071	ug/l	99
49) 1,4-Dioxane	7.73	88	129499	920.387	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2035846	250.174	ug/l	99
52) Toluene	8.78	92	631971	47.683	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	363874	46.646	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	400968	47.048	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	267467	50.079	ug/l	98
56) Ethyl methacrylate	9.17	69	429102	49.972	ug/l	100
57) 1,3-Dichloropropane	9.37	76	451599	49.055	ug/l	100
59) 2-Hexanone	9.49	43	1560086	245.806	ug/l	99
60) Dibromochloromethane	9.57	129	270361	48.777	ug/l	99
61) 1,2-Dibromoethane	9.67	107	274687	48.154	ug/l	99
64) Tetrachloroethene	9.33	164	236413	44.936	ug/l	99
65) Chlorobenzene	10.14	112	684834	46.755	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	256028	48.677	ug/l	100
67) Ethyl Benzene	10.24	91	1204081	47.838	ug/l	99
68) m/p-Xylenes	10.35	106	909261	94.357	ug/l	99
69) o-Xylene	10.70	106	453826	48.288	ug/l	99
70) Styrene	10.71	104	772845	48.884	ug/l	99
71) Bromoform	10.85	173	209257	48.083	ug/l	99
73) Isopropylbenzene	11.01	105	1179093	45.952	ug/l	99
74) N-amyl acetate	10.89	43	549297	46.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	443390	49.827	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	389182m	47.303	ug/l	
77) Bromobenzene	11.25	156	315049	45.449	ug/l	99
78) n-propylbenzene	11.35	91	1322117	46.157	ug/l	100
79) 2-Chlorotoluene	11.42	91	795826	46.316	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1001335	47.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	129457	43.047	ug/l	98
82) 4-Chlorotoluene	11.51	91	907305	45.590	ug/l	99
83) tert-Butylbenzene	11.77	119	1014929	47.487	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	997238	46.723	ug/l	99
85) sec-Butylbenzene	11.94	105	1164370	47.696	ug/l	100
86) p-Isopropyltoluene	12.06	119	1046230	46.067	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	546560	45.232	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	562443	45.698	ug/l	99
89) n-Butylbenzene	12.38	91	876296	45.240	ug/l	100
90) Hexachloroethane	12.59	117	186855	45.519	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	573398	48.027	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	86439	44.607	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	364321	43.785	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121219\
Data File : VX013987.D
Acq On : 12 Dec 2019 19:52
Operator : JC/SP
Sample : K6249-03MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:24 AM

Quant Time: Dec 13 04:35:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	169682	42.452	ug/l	99
95) Naphthalene	13.83	128	1097497	44.291	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	368442	44.722	ug/l	99

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

