

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006538.D
 Acq On : 15 Dec 2018 02:34
 Operator : JC/MD
 Sample : VX1214WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 12:12:35 PM

Quant Time: Dec 15 05:45:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	516815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	835121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	760232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	401092	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	292743	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
35) Dibromofluoromethane	5.51	113	263775	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	8.71	98	976969	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	377914	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	105600	20.868	ug/l	98
3) Chloromethane	1.33	50	112475	21.629	ug/l	98
4) Vinyl Chloride	1.41	62	126259	22.559	ug/l	97
5) Bromomethane	1.64	94	126156	32.525	ug/l	99
6) Chloroethane	1.72	64	80575	23.481	ug/l	98
7) Trichlorofluoromethane	1.93	101	194053	22.588	ug/l	100
8) Diethyl Ether	2.19	74	75963	23.363	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	111082	22.739	ug/l	98
10) Methyl Iodide	2.51	142	170783	23.198	ug/l	98
11) Tert butyl alcohol	3.07	59	169069	117.179	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107118	22.906	ug/l	91
13) Acrolein	2.29	56	48722	61.783	ug/l	97
14) Allyl chloride	2.73	41	178257	19.296	ug/l	99
15) Acrylonitrile	3.15	53	342054	113.608	ug/l	99
16) Acetone	2.45	43	281234	113.588	ug/l	97
17) Carbon Disulfide	2.57	76	254810	17.683	ug/l	99
18) Methyl Acetate	2.78	43	191358	23.111	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	379860	22.770	ug/l	98
20) Methylene Chloride	2.86	84	123347	23.408	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	116702	23.417	ug/l	90
22) Diisopropyl ether	3.87	45	331787	22.994	ug/l	99
23) Vinyl Acetate	3.82	43	1329050	107.993	ug/l	100
24) 1,1-Dichloroethane	3.70	63	193577	23.471	ug/l	98
25) 2-Butanone	4.70	43	416752	117.967	ug/l	100
26) 2,2-Dichloropropane	4.58	77	117912	15.492	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	131535	23.662	ug/l	98
28) Bromochloromethane	5.01	49	79943	22.192	ug/l	99
29) Tetrahydrofuran	5.15	42	279541	113.853	ug/l	96
30) Chloroform	5.21	83	209456	24.167	ug/l	99
31) Cyclohexane	5.57	56	172711	22.660	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	177424	21.516	ug/l	99
36) 1,1-Dichloropropene	5.80	75	154049	21.905	ug/l	98
37) Ethyl Acetate	4.85	43	160524	20.383	ug/l	99
38) Carbon Tetrachloride	5.78	117	153060	18.501	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006538.D
 Acq On : 15 Dec 2018 02:34
 Operator : JC/MD
 Sample : VX1214WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 12:12:35 PM

Quant Time: Dec 15 05:45:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190507	20.869	ug/l	99
40) Benzene	6.14	78	472629	22.439	ug/l	97
41) Methacrylonitrile	5.06	41	90206	20.816	ug/l	98
42) 1,2-Dichloroethane	6.20	62	159173	23.090	ug/l	100
43) Isopropyl Acetate	6.46	43	251344	19.141	ug/l	99
44) Trichloroethene	7.21	130	139270	21.826	ug/l	89
45) 1,2-Dichloropropane	7.51	63	115842	21.639	ug/l	99
46) Dibromomethane	7.66	93	82998	21.467	ug/l	95
47) Bromodichloromethane	7.90	83	136291	18.203	ug/l	98
48) Methyl methacrylate	7.77	41	128115	20.056	ug/l	96
49) 1,4-Dioxane	7.75	88	72333	459.427	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	824780	107.898	ug/l	98
52) Toluene	8.79	92	312869	22.578	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	143028	16.335	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	163800	18.015	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	131532	23.364	ug/l	98
56) Ethyl methacrylate	9.18	69	187247	21.276	ug/l	97
57) 1,3-Dichloropropane	9.37	76	203865	22.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	412825	92.436	ug/l	98
59) 2-Hexanone	9.49	43	628056	107.543	ug/l	99
60) Dibromochloromethane	9.59	129	116798	16.825	ug/l	98
61) 1,2-Dibromoethane	9.67	107	138046	21.930	ug/l	100
64) Tetrachloroethene	9.34	164	136056	23.764	ug/l	99
65) Chlorobenzene	10.14	112	368589	22.840	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	121608	19.395	ug/l	98
67) Ethyl Benzene	10.25	91	600192	22.361	ug/l	98
68) m/p-Xylenes	10.36	106	485337	45.141	ug/l	98
69) o-Xylene	10.70	106	239435	22.546	ug/l	98
70) Styrene	10.71	104	383307	22.316	ug/l	99
71) Bromoform	10.86	173	82701	13.972	ug/l #	99
73) Isopropylbenzene	11.02	105	621844	22.450	ug/l	100
74) N-amyl acetate	10.90	43	230087	19.290	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	192458	21.718	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	176600m	22.811	ug/l	
77) Bromobenzene	11.26	156	166899	21.712	ug/l	96
78) n-propylbenzene	11.36	91	681471	22.133	ug/l	100
79) 2-Chlorotoluene	11.42	91	412733	22.553	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	519784	22.554	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40480	12.271	ug/l #	79
82) 4-Chlorotoluene	11.51	91	475685	22.357	ug/l	100
83) tert-Butylbenzene	11.77	119	518110	21.070	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	534931	22.479	ug/l	99
85) sec-Butylbenzene	11.94	105	627634	22.436	ug/l	100
86) p-Isopropyltoluene	12.06	119	555257	22.043	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	301153	22.018	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	299573	21.579	ug/l	98
89) n-Butylbenzene	12.38	91	452320	21.045	ug/l	99
90) Hexachloroethane	12.60	117	79257	15.438	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	304949	22.464	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38305	16.863	ug/l	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006538.D
Acq On : 15 Dec 2018 02:34
Operator : JC/MD
Sample : VX1214WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS02

Manual Integrations
APPROVED

MMDadoda
12/17/2018 12:12:35 PM

Quant Time: Dec 15 05:45:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	201736	20.370	ug/l	99
94) Hexachlorobutadiene	13.78	225	89608	20.459	ug/l	99
95) Naphthalene	13.83	128	671690	21.803	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	208985	21.305	ug/l	99

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

