

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004602.D
 Acq On : 16 Sep 2018 00:00
 Operator : JC/MD
 Sample : VX0915WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:30 PM

Quant Time: Sep 17 08:51:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	262222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165661	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	5.51	113	146656	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	8.72	98	490303	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.14	95	177178	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	49894	20.30	ug/l	96
3) Chloromethane	1.32	50	66610	19.69	ug/l	98
4) Vinyl Chloride	1.40	62	66731	19.22	ug/l	94
5) Bromomethane	1.64	94	31472	20.97	ug/l	92
6) Chloroethane	1.72	64	49727	22.15	ug/l	97
7) Trichlorofluoromethane	1.93	101	89386	19.42	ug/l #	84
8) Diethyl Ether	2.19	74	41845	20.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57245	19.61	ug/l	97
10) Methyl Iodide	2.51	142	46228	16.38	ug/l	97
11) Tert butyl alcohol	3.06	59	79604	98.67	ug/l	100
12) 1,1-Dichloroethene	2.37	96	55039	20.09	ug/l	94
13) Acrolein	2.29	56	53127	166.82	ug/l	94
14) Allyl chloride	2.73	41	105520	18.73	ug/l	96
15) Acrylonitrile	3.14	53	190443	98.02	ug/l	98
16) Acetone	2.45	43	149832	90.79	ug/l	96
17) Carbon Disulfide	2.57	76	152514	19.26	ug/l	98
18) Methyl Acetate	2.78	43	93148	20.12	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	196018	20.39	ug/l	98
20) Methylene Chloride	2.85	84	65369	19.31	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	60014	19.82	ug/l	89
22) Diisopropyl ether	3.87	45	206258	20.33	ug/l	97
23) Vinyl Acetate	3.82	43	817129	99.53	ug/l	98
24) 1,1-Dichloroethane	3.70	63	114571	20.00	ug/l	98
25) 2-Butanone	4.70	43	235042	89.49	ug/l	97
26) 2,2-Dichloropropane	4.58	77	63247	16.08	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	69586	20.59	ug/l	97
28) Bromochloromethane	5.01	49	56489	21.56	ug/l	95
29) Tetrahydrofuran	5.16	42	155079	97.91	ug/l	98
30) Chloroform	5.21	83	110092	19.69	ug/l	91
31) Cyclohexane	5.58	56	98977	20.24	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	93146	20.68	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84455	20.50	ug/l	99
37) Ethyl Acetate	4.85	43	89537	19.11	ug/l	99
38) Carbon Tetrachloride	5.78	117	80210	19.94	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004602.D
 Acq On : 16 Sep 2018 00:00
 Operator : JC/MD
 Sample : VX0915WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0915WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:30 PM

Quant Time: Sep 17 08:51:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82961	19.30	ug/l	95
40) Benzene	6.14	78	254909	20.86	ug/l	98
41) Methacrylonitrile	5.06	41	51798	20.07	ug/l	99
42) 1,2-Dichloroethane	6.20	62	82291	20.30	ug/l	100
43) Isopropyl Acetate	6.46	43	127747	20.53	ug/l	99
44) Trichloroethene	7.21	130	60261	18.98	ug/l	95
45) 1,2-Dichloropropane	7.52	63	58076	19.75	ug/l	99
46) Dibromomethane	7.66	93	36574	19.69	ug/l	99
47) Bromodichloromethane	7.90	83	67628	19.25	ug/l	100
48) Methyl methacrylate	7.77	41	59932	19.46	ug/l	97
49) 1,4-Dioxane	7.76	88	28634	392.86	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	387633	88.27	ug/l	99
52) Toluene	8.79	92	138295	19.21	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	77686	18.93	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	80012	19.12	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	65323	21.07	ug/l	95
56) Ethyl methacrylate	9.18	69	94543	21.55	ug/l	97
57) 1,3-Dichloropropane	9.38	76	108002	21.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	203280	95.59	ug/l	97
59) 2-Hexanone	9.50	43	325784	96.72	ug/l	99
60) Dibromochloromethane	9.59	129	57722	19.78	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58886	19.88	ug/l	98
64) Tetrachloroethene	9.34	164	81306	21.29	ug/l	94
65) Chlorobenzene	10.14	112	155387	20.46	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	54238	20.70	ug/l	99
67) Ethyl Benzene	10.26	91	256583	20.77	ug/l	99
68) m/p-Xylenes	10.36	106	202009	42.46	ug/l	97
69) o-Xylene	10.70	106	97093	21.23	ug/l	99
70) Styrene	10.71	104	162937	21.50	ug/l	99
71) Bromoform	10.86	173	42190	19.62	ug/l #	99
73) Isopropylbenzene	11.02	105	262129	18.56	ug/l	100
74) N-amyl acetate	10.90	43	103135	17.35	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	81222	17.83	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	75672m	17.54	ug/l	
77) Bromobenzene	11.26	156	70609	18.09	ug/l	99
78) n-propylbenzene	11.36	91	299814	18.46	ug/l	100
79) 2-Chlorotoluene	11.42	91	178937	18.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	238196	20.06	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	21061	15.56	ug/l	99
82) 4-Chlorotoluene	11.51	91	227610	19.80	ug/l	98
83) tert-Butylbenzene	11.77	119	254705	22.53	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	276355	22.79	ug/l	99
85) sec-Butylbenzene	11.94	105	323984	22.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	272243	21.40	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	153181	21.03	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	148711	19.76	ug/l	98
89) n-Butylbenzene	12.39	91	224981	19.41	ug/l	96
90) Hexachloroethane	12.60	117	38957	19.13	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	141870	19.24	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20086	20.65	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
Data File : VX004602.D
Acq On : 16 Sep 2018 00:00
Operator : JC/MD
Sample : VX0915WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Manual Integrations
APPROVED

MMDadoda
9/17/2018 6:27:30 PM

Quant Time: Sep 17 08:51:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115949	22.21	ug/l	98
94) Hexachlorobutadiene	13.79	225	56636	20.77	ug/l	97
95) Naphthalene	13.83	128	333042	22.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	115462	21.53	ug/l	100

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

