

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004403.D
 Acq On : 07 Sep 2018 12:58
 Operator : JC/MD
 Sample : VX0907WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:26 AM

Quant Time: Sep 08 03:36:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	349171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	500584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	454930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	294940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	212776	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.50	113	186629	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	8.71	98	699036	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.14	95	270916	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60739	15.02	ug/l	95
3) Chloromethane	1.32	50	73060	16.54	ug/l	100
4) Vinyl Chloride	1.40	62	78487	17.16	ug/l	97
5) Bromomethane	1.64	94	43002	17.76	ug/l	99
6) Chloroethane	1.72	64	56878	16.87	ug/l	100
7) Trichlorofluoromethane	1.93	101	113422	18.09	ug/l	98
8) Diethyl Ether	2.18	74	52842	19.68	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73191	18.64	ug/l	99
10) Methyl Iodide	2.51	142	63261	17.32	ug/l	98
11) Tert butyl alcohol	3.06	59	96511	99.49	ug/l	100
12) 1,1-Dichloroethene	2.37	96	66252	17.91	ug/l	98
13) Acrolein	2.29	56	17080	73.03	ug/l	97
14) Allyl chloride	2.73	41	131494	19.35	ug/l	98
15) Acrylonitrile	3.14	53	234187	97.48	ug/l	100
16) Acetone	2.44	43	189158	96.87	ug/l	100
17) Carbon Disulfide	2.57	76	161143	16.23	ug/l	99
18) Methyl Acetate	2.78	43	169030	25.03	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	249263	20.45	ug/l	99
20) Methylene Chloride	2.85	84	82884	18.92	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	74135	18.11	ug/l	94
22) Diisopropyl ether	3.87	45	257206	20.27	ug/l	97
23) Vinyl Acetate	3.82	43	967805	94.10	ug/l	99
24) 1,1-Dichloroethane	3.70	63	145046	19.61	ug/l	99
25) 2-Butanone	4.70	43	299262	96.39	ug/l	98
26) 2,2-Dichloropropane	4.58	77	110970	19.13	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	88323	19.02	ug/l	99
28) Bromochloromethane	5.01	49	65540	20.02	ug/l	99
29) Tetrahydrofuran	5.15	42	186583	95.42	ug/l	100
30) Chloroform	5.21	83	144808	19.53	ug/l	100
31) Cyclohexane	5.57	56	114351	17.92	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	116210	18.80	ug/l	100
36) 1,1-Dichloropropene	5.79	75	103196	18.34	ug/l	99
37) Ethyl Acetate	4.85	43	105887	19.13	ug/l	99
38) Carbon Tetrachloride	5.78	117	98085	18.53	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117455	18.28	ug/l	99
40) Benzene	6.14	78	325882	19.38	ug/l	100
41) Methacrylonitrile	5.06	41	63895	19.92	ug/l	99
42) 1,2-Dichloroethane	6.20	62	109566	19.10	ug/l	99
43) Isopropyl Acetate	6.46	43	168565	19.82	ug/l	99
44) Trichloroethene	7.21	130	88652	19.05	ug/l	100
45) 1,2-Dichloropropane	7.51	63	85260	20.26	ug/l	99
46) Dibromomethane	7.66	93	54205	19.34	ug/l	100
47) Bromodichloromethane	7.90	83	102344	19.63	ug/l	99
48) Methyl methacrylate	7.77	41	89559	19.68	ug/l	99
49) 1,4-Dioxane	7.75	88	41716	403.75	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	577191	93.41	ug/l	100
52) Toluene	8.78	92	208483	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	114672	19.91	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	128300	20.45	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	86631	20.39	ug/l	97
56) Ethyl methacrylate	9.18	69	118092	20.42	ug/l	97
57) 1,3-Dichloropropane	9.37	76	145939	20.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	305176	102.96	ug/l	99
59) 2-Hexanone	9.49	43	438650	93.05	ug/l	100
60) Dibromochloromethane	9.59	129	81925	19.79	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86612	19.70	ug/l	99
64) Tetrachloroethene	9.34	164	95970	21.35	ug/l	99
65) Chlorobenzene	10.14	112	231258	20.25	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	79104	20.09	ug/l	99
67) Ethyl Benzene	10.26	91	369529	19.93	ug/l	96
68) m/p-Xylenes	10.36	106	299552	41.31	ug/l	96
69) o-Xylene	10.70	106	140616	20.50	ug/l	96
70) Styrene	10.71	104	237315	21.37	ug/l	99
71) Bromoform	10.86	173	60963	19.20	ug/l #	100
73) Isopropylbenzene	11.02	105	394815	20.38	ug/l	100
74) N-amyl acetate	10.90	43	139655	18.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	126523	18.66	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	118651m	19.78	ug/l	
77) Bromobenzene	11.26	156	106387	19.58	ug/l	98
78) n-propylbenzene	11.36	91	454805	20.41	ug/l	100
79) 2-Chlorotoluene	11.42	91	276444	20.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	329114	20.52	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	33897	18.33	ug/l	97
82) 4-Chlorotoluene	11.51	91	320093	19.84	ug/l	100
83) tert-Butylbenzene	11.77	119	324856	20.13	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	339260	20.60	ug/l	99
85) sec-Butylbenzene	11.94	105	397701	20.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	364508	21.23	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	200252	19.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	204917	19.00	ug/l	99
89) n-Butylbenzene	12.39	91	308187	22.07	ug/l	99
90) Hexachloroethane	12.60	117	48595	20.25	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	200853	21.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23521	19.70	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	139374	20.49	ug/l	98
94) Hexachlorobutadiene	13.79	225	69668	21.93	ug/l	96
95) Naphthalene	13.83	128	411924	21.41	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149555	20.77	ug/l	99

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

