

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004146.D
 Acq On : 20 Aug 2018 12:16
 Operator : JC/MD
 Sample : VX0820WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:30:48 AM

Quant Time: Aug 21 01:37:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	256852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200895	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
35) Dibromofluoromethane	5.50	113	163250	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
50) Toluene-d8	8.71	98	620134	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
62) 4-Bromofluorobenzene	11.14	95	225554	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46938	18.77	ug/l	99
3) Chloromethane	1.32	50	65397	21.31	ug/l	100
4) Vinyl Chloride	1.40	62	60867	18.33	ug/l	99
5) Bromomethane	1.64	94	35022	20.71	ug/l	98
6) Chloroethane	1.72	64	45413	19.72	ug/l	96
7) Trichlorofluoromethane	1.93	101	86820	18.64	ug/l	98
8) Diethyl Ether	2.18	74	42153	20.73	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55029	18.94	ug/l	99
10) Methyl Iodide	2.51	142	46305	18.44	ug/l	100
11) Tert butyl alcohol	3.04	59	76892	105.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51368	19.01	ug/l	94
13) Acrolein	2.29	56	59637	126.28	ug/l	100
14) Allyl chloride	2.73	41	100554	19.56	ug/l	97
15) Acrylonitrile	3.14	53	191210	105.23	ug/l	100
16) Acetone	2.43	43	218841	116.31	ug/l	99
17) Carbon Disulfide	2.57	76	128010	16.70	ug/l	100
18) Methyl Acetate	2.77	43	95463	22.83	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	197989	20.80	ug/l	99
20) Methylene Chloride	2.86	84	66610	21.31	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	58521	19.07	ug/l	98
22) Diisopropyl ether	3.86	45	207169	20.56	ug/l	94
23) Vinyl Acetate	3.82	43	874233	105.65	ug/l	100
24) 1,1-Dichloroethane	3.70	63	117347	20.56	ug/l	99
25) 2-Butanone	4.69	43	329585	107.66	ug/l	98
26) 2,2-Dichloropropane	4.58	77	88544	19.52	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	70104	20.32	ug/l	98
28) Bromochloromethane	5.01	49	59387	22.68	ug/l	98
29) Tetrahydrofuran	5.15	42	156630	100.14	ug/l	98
30) Chloroform	5.21	83	114771	20.61	ug/l	100
31) Cyclohexane	5.57	56	85940	17.18	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	92568	19.89	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80623	18.88	ug/l	99
37) Ethyl Acetate	4.85	43	97516	20.96	ug/l	100
38) Carbon Tetrachloride	5.78	117	78896	19.01	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81812	16.88	ug/l	97
40) Benzene	6.14	78	262525	20.47	ug/l	97
41) Methacrylonitrile	5.06	41	53954	20.71	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95227	21.21	ug/l	99
43) Isopropyl Acetate	6.46	43	140405	20.48	ug/l	99
44) Trichloroethene	7.21	130	68441	19.66	ug/l	93
45) 1,2-Dichloropropane	7.51	63	68612	20.90	ug/l	99
46) Dibromomethane	7.66	93	45372	21.15	ug/l	99
47) Bromodichloromethane	7.90	83	85536	21.05	ug/l	99
48) Methyl methacrylate	7.77	41	72611	21.04	ug/l	99
49) 1,4-Dioxane	7.76	88	32157	413.84	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	618495	110.02	ug/l	99
52) Toluene	8.79	92	168198	20.74	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	90815	20.69	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	101207	20.82	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	71177	21.25	ug/l	99
56) Ethyl methacrylate	9.18	69	93849	20.60	ug/l	99
57) 1,3-Dichloropropane	9.37	76	120983	21.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	260562	112.34	ug/l	100
59) 2-Hexanone	9.49	43	467567	110.51	ug/l	98
60) Dibromochloromethane	9.59	129	66912	20.76	ug/l	99
61) 1,2-Dibromoethane	9.67	107	73288	21.46	ug/l	99
64) Tetrachloroethene	9.34	164	62970	18.04	ug/l	93
65) Chlorobenzene	10.14	112	193740	20.36	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	66720	20.56	ug/l	99
67) Ethyl Benzene	10.25	91	296199	19.66	ug/l	99
68) m/p-Xylenes	10.36	106	238747	40.47	ug/l	98
69) o-Xylene	10.70	106	108014	19.16	ug/l	93
70) Styrene	10.71	104	184293	19.42	ug/l	99
71) Bromoform	10.86	173	49964	19.42	ug/l #	99
73) Isopropylbenzene	11.02	105	298707	19.50	ug/l	96
74) N-amyl acetate	6.46	43	140405	19.49	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	110614	20.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	97885m	21.56	ug/l	
77) Bromobenzene	11.26	156	85238	20.19	ug/l	98
78) n-propylbenzene	11.36	91	336504	19.63	ug/l	100
79) 2-Chlorotoluene	11.42	91	208784	19.98	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	245616	19.58	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	28795	19.64	ug/l	94
82) 4-Chlorotoluene	11.51	91	246155	19.93	ug/l	99
83) tert-Butylbenzene	11.77	119	239524	18.94	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	264750	20.38	ug/l	99
85) sec-Butylbenzene	11.94	105	278774	18.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	257833	19.24	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	156266	19.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	162498	19.60	ug/l	99
89) n-Butylbenzene	12.39	91	205393	19.45	ug/l	97
90) Hexachloroethane	12.60	117	37403	18.66	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	158356	21.80	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21600	22.97	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103699	20.89	ug/l	99
94) Hexachlorobutadiene	13.79	225	43191	17.35	ug/l	99
95) Naphthalene	13.83	128	311712	20.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108693	20.08	ug/l	99

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

