

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004224.D
 Acq On : 23 Aug 2018 14:06
 Operator : JC/MD
 Sample : VX0823WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:28 AM

Quant Time: Aug 24 06:30:07 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	336050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	493525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	451973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272903	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	211563	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	178721	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.71	98	684718	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	250362	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	81040	20.82	ug/l	95
3) Chloromethane	1.32	50	82581	19.38	ug/l	100
4) Vinyl Chloride	1.40	62	85618	19.44	ug/l	97
5) Bromomethane	1.64	94	49787	21.80	ug/l	94
6) Chloroethane	1.72	64	59145	18.21	ug/l	98
7) Trichlorofluoromethane	1.93	101	118202	19.59	ug/l	92
8) Diethyl Ether	2.18	74	51376	19.88	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73565	19.47	ug/l	99
10) Methyl Iodide	2.51	142	66609	18.55	ug/l	99
11) Tert butyl alcohol	3.07	59	81149	86.92	ug/l	99
12) 1,1-Dichloroethene	2.37	96	67357	18.92	ug/l	98
13) Acrolein	2.29	56	20141	89.48	ug/l	96
14) Allyl chloride	2.73	41	123059	18.81	ug/l	99
15) Acrylonitrile	3.15	53	212164	91.76	ug/l	99
16) Acetone	2.45	43	170814	90.38	ug/l	100
17) Carbon Disulfide	2.57	76	176989	18.41	ug/l	97
18) Methyl Acetate	2.78	43	128294	19.74	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	235020	20.03	ug/l	99
20) Methylene Chloride	2.85	84	79512	18.86	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	75073	19.05	ug/l	100
22) Diisopropyl ether	3.87	45	235247	19.26	ug/l	99
23) Vinyl Acetate	3.82	43	933063	94.27	ug/l	99
24) 1,1-Dichloroethane	3.70	63	136035	19.11	ug/l	99
25) 2-Butanone	4.70	43	267480	89.31	ug/l	100
26) 2,2-Dichloropropane	4.59	77	98501	17.65	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	83410	18.66	ug/l	99
28) Bromochloromethane	5.02	49	61244	19.44	ug/l	99
29) Tetrahydrofuran	5.16	42	172649	91.74	ug/l	99
30) Chloroform	5.21	83	134842	18.90	ug/l	99
31) Cyclohexane	5.57	56	120747	19.66	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	115027	19.33	ug/l	100
36) 1,1-Dichloropropene	5.79	75	102324	18.44	ug/l	99
37) Ethyl Acetate	4.86	43	102310	18.75	ug/l	100
38) Carbon Tetrachloride	5.78	117	98730	18.92	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121689	19.21	ug/l	99
40) Benzene	6.14	78	320955	19.36	ug/l	100
41) Methacrylonitrile	5.06	41	58750	18.57	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108274	19.15	ug/l	100
43) Isopropyl Acetate	6.46	43	159676	19.04	ug/l	100
44) Trichloroethene	7.21	130	85632	18.66	ug/l	95
45) 1,2-Dichloropropane	7.52	63	80314	19.36	ug/l	100
46) Dibromomethane	7.66	93	52384	18.96	ug/l	99
47) Bromodichloromethane	7.90	83	96260	18.72	ug/l	98
48) Methyl methacrylate	7.78	41	83849	18.69	ug/l	99
49) 1,4-Dioxane	7.76	88	32770	321.70	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	534561	87.75	ug/l	99
52) Toluene	8.79	92	203511	19.61	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	105751	18.62	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	118227	19.12	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	81559	19.47	ug/l	99
56) Ethyl methacrylate	9.18	69	111471	19.55	ug/l	98
57) 1,3-Dichloropropane	9.37	76	136144	19.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	299688	102.56	ug/l	100
59) 2-Hexanone	9.50	43	402231	86.54	ug/l	100
60) Dibromochloromethane	9.59	129	74521	18.26	ug/l	98
61) 1,2-Dibromoethane	9.67	107	83957	19.37	ug/l	99
64) Tetrachloroethene	9.34	164	81806	18.32	ug/l	98
65) Chlorobenzene	10.14	112	204980	18.07	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	71831	18.36	ug/l	98
67) Ethyl Benzene	10.25	91	356446	19.35	ug/l	96
68) m/p-Xylenes	10.36	106	278431	38.65	ug/l	99
69) o-Xylene	10.70	106	130763	19.19	ug/l	98
70) Styrene	10.71	104	209485	18.99	ug/l	97
71) Bromoform	10.86	173	54394	17.25	ug/l	99
73) Isopropylbenzene	11.02	105	367379	20.50	ug/l	99
74) N-amyl acetate	10.90	43	136522	19.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	121543	19.38	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	108193m	19.49	ug/l	
77) Bromobenzene	11.26	156	101430	20.17	ug/l	99
78) n-propylbenzene	11.36	91	413260	20.05	ug/l	99
79) 2-Chlorotoluene	11.42	91	261639	20.62	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	312780	21.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	30227	17.67	ug/l	93
82) 4-Chlorotoluene	11.51	91	292214	19.57	ug/l	99
83) tert-Butylbenzene	11.77	119	308754	20.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	322718	21.18	ug/l	98
85) sec-Butylbenzene	11.94	105	369305	20.83	ug/l	100
86) p-Isopropyltoluene	12.07	119	327716	20.62	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	183463	19.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187219	18.76	ug/l	99
89) n-Butylbenzene	12.39	91	250715	19.40	ug/l	97
90) Hexachloroethane	12.60	117	41263	18.58	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	160695	18.57	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19989	18.09	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	117301	18.63	ug/l	99
94) Hexachlorobutadiene	13.79	225	56955	19.36	ug/l	95
95) Naphthalene	13.83	128	363602	20.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129306	19.40	ug/l	99

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

