

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004425.D
 Acq On : 08 Sep 2018 00:05
 Operator : JC/MD
 Sample : VX0907WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:33 AM

Quant Time: Sep 08 05:16:53 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	322839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	480535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	433400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	277949	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	203205	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	5.50	113	178984	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	8.71	98	660392	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.14	95	251365	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58481	15.64	ug/l	99
3) Chloromethane	1.32	50	70199	17.18	ug/l	100
4) Vinyl Chloride	1.40	62	78811	18.63	ug/l	100
5) Bromomethane	1.64	94	39781	17.77	ug/l	100
6) Chloroethane	1.72	64	55643	17.84	ug/l	97
7) Trichlorofluoromethane	1.93	101	112736	19.45	ug/l	96
8) Diethyl Ether	2.18	74	51626	20.80	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70967	19.55	ug/l	100
10) Methyl Iodide	2.51	142	64774	18.73	ug/l	98
11) Tert butyl alcohol	3.07	59	106891	119.17	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66679	19.50	ug/l	96
13) Acrolein	2.29	56	19411	89.77	ug/l	95
14) Allyl chloride	2.73	41	129409	20.59	ug/l	95
15) Acrylonitrile	3.15	53	246260	110.86	ug/l	99
16) Acetone	2.45	43	198958	111.35	ug/l	98
17) Carbon Disulfide	2.57	76	161253	17.50	ug/l	100
18) Methyl Acetate	2.78	43	179162	28.69	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	241674	21.44	ug/l	97
20) Methylene Chloride	2.85	84	81328	20.08	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	72294	19.10	ug/l	98
22) Diisopropyl ether	3.87	45	250249	21.33	ug/l	96
23) Vinyl Acetate	3.82	43	910057	95.70	ug/l	100
24) 1,1-Dichloroethane	3.69	63	141520	20.70	ug/l	99
25) 2-Butanone	4.70	43	309750	108.25	ug/l	99
26) 2,2-Dichloropropane	4.58	77	75901	14.15	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	84505	19.68	ug/l	97
28) Bromochloromethane	5.01	49	65970	21.79	ug/l	98
29) Tetrahydrofuran	5.16	42	196124	108.48	ug/l	100
30) Chloroform	5.21	83	141129	20.59	ug/l	99
31) Cyclohexane	5.57	56	110993	18.81	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	115261	20.16	ug/l	100
36) 1,1-Dichloropropene	5.80	75	100114	18.53	ug/l	99
37) Ethyl Acetate	4.86	43	107963	20.32	ug/l	99
38) Carbon Tetrachloride	5.78	117	96649	19.02	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111548	18.09	ug/l	98
40) Benzene	6.14	78	318682	19.74	ug/l	100
41) Methacrylonitrile	5.06	41	65490	21.27	ug/l	99
42) 1,2-Dichloroethane	6.20	62	107882	19.59	ug/l	99
43) Isopropyl Acetate	6.46	43	167251	20.49	ug/l	100
44) Trichloroethene	7.21	130	86148	19.28	ug/l	96
45) 1,2-Dichloropropane	7.52	63	84055	20.80	ug/l	100
46) Dibromomethane	7.66	93	52280	19.43	ug/l	97
47) Bromodichloromethane	7.90	83	101169	20.21	ug/l	98
48) Methyl methacrylate	7.77	41	88312	20.22	ug/l	98
49) 1,4-Dioxane	7.76	88	45315	456.88	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	597503	100.73	ug/l	100
52) Toluene	8.79	92	203209	20.11	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	105268	19.04	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	116725	19.38	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	85195	20.89	ug/l	98
56) Ethyl methacrylate	9.18	69	114810	20.68	ug/l	99
57) 1,3-Dichloropropane	9.37	76	142356	20.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	302435	106.30	ug/l	99
59) 2-Hexanone	9.50	43	452147	99.91	ug/l	99
60) Dibromochloromethane	9.59	129	80312	20.21	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85455	20.24	ug/l	99
64) Tetrachloroethene	9.34	164	94717	22.12	ug/l	99
65) Chlorobenzene	10.14	112	217554	20.00	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.22	131	81044	21.60	ug/l	97
67) Ethyl Benzene	10.25	91	365432	20.69	ug/l	96
68) m/p-Xylenes	10.36	106	277805	40.22	ug/l	96
69) o-Xylene	10.70	106	136806	20.94	ug/l	99
70) Styrene	10.71	104	225445	21.31	ug/l	98
71) Bromoform	10.86	173	60875	20.13	ug/l #	99
73) Isopropylbenzene	11.02	105	386548	21.17	ug/l	100
74) N-amyl acetate	10.90	43	140513	19.99	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	128219	20.07	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	114720m	20.29	ug/l	
77) Bromobenzene	11.26	156	103217	20.16	ug/l	97
78) n-propylbenzene	11.36	91	435867	20.76	ug/l	100
79) 2-Chlorotoluene	11.42	91	264075	20.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	317441	21.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	30296	17.39	ug/l	98
82) 4-Chlorotoluene	11.51	91	306890	20.18	ug/l	100
83) tert-Butylbenzene	11.77	119	311760	20.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	326497	21.04	ug/l	99
85) sec-Butylbenzene	11.94	105	384166	21.27	ug/l	100
86) p-Isopropyltoluene	12.07	119	341988	21.13	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	191876	19.90	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	193649	19.05	ug/l	98
89) n-Butylbenzene	12.39	91	282391	21.46	ug/l	100
90) Hexachloroethane	12.60	117	48146	21.28	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	185082	21.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21804	19.38	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129799	20.24	ug/l	98
94) Hexachlorobutadiene	13.79	225	65722	21.96	ug/l	96
95) Naphthalene	13.83	128	399192	22.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141896	20.91	ug/l	99

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

