

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004313.D
 Acq On : 30 Aug 2018 01:11
 Operator : JC/MD
 Sample : J4681-08MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05S-M12W4-082_18MS

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:39 PM

Quant Time: Aug 30 07:37:31 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	290474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	429680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	405367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	195880	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	5.50	113	169843	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	8.71	98	627140	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.14	95	234504	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	164814	48.99	ug/l	98
3) Chloromethane	1.32	50	189100	50.85	ug/l	99
4) Vinyl Chloride	1.40	62	196966	51.75	ug/l	100
5) Bromomethane	1.63	94	84869	45.04	ug/l	100
6) Chloroethane	1.71	64	131875	49.02	ug/l	98
7) Trichlorofluoromethane	1.92	101	263780	50.58	ug/l	95
8) Diethyl Ether	2.18	74	119130	53.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	156678	47.96	ug/l	100
10) Methyl Iodide	2.50	142	178169	48.48	ug/l	99
11) Tert butyl alcohol	3.08	59	227138	281.45	ug/l	100
12) 1,1-Dichloroethene	2.37	96	154529	50.22	ug/l	98
13) Acrolein	2.29	56	53621	275.60	ug/l	100
14) Allyl chloride	2.72	41	286524	50.68	ug/l	97
15) Acrylonitrile	3.15	53	548910	274.64	ug/l	99
16) Acetone	2.45	43	460021	299.24	ug/l	98
17) Carbon Disulfide	2.56	76	403110	47.21	ug/l	99
18) Methyl Acetate	2.78	43	252574	44.96	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	537595	53.01	ug/l	97
20) Methylene Chloride	2.86	84	185512	50.90	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	168726	49.54	ug/l	96
22) Diisopropyl ether	3.87	45	540391	51.19	ug/l	98
23) Vinyl Acetate	3.82	43	1395547	163.11	ug/l	99
24) 1,1-Dichloroethane	3.69	63	330285	53.69	ug/l	99
25) 2-Butanone	4.71	43	720006	284.21	ug/l	99
26) 2,2-Dichloropropane	4.58	77	135281	28.04	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	195695	50.66	ug/l	95
28) Bromochloromethane	5.02	49	148916	54.68	ug/l	99
29) Tetrahydrofuran	5.16	42	457791	281.44	ug/l	100
30) Chloroform	5.21	83	327143	53.04	ug/l	98
31) Cyclohexane	5.57	56	264296	49.79	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	269934	52.48	ug/l	99
36) 1,1-Dichloropropene	5.79	75	235573	48.77	ug/l	98
37) Ethyl Acetate	4.86	43	225994	47.57	ug/l	100
38) Carbon Tetrachloride	5.78	117	234998	51.71	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	254099	46.07	ug/l	98
40) Benzene	6.14	78	750679	52.01	ug/l	100
41) Methacrylonitrile	5.06	41	149702	54.36	ug/l	99
42) 1,2-Dichloroethane	6.20	62	253965	51.58	ug/l	100
43) Isopropyl Acetate	6.47	43	310475	42.53	ug/l	100
44) Trichloroethene	7.21	130	195680	48.98	ug/l	97
45) 1,2-Dichloropropane	7.52	63	193018	53.43	ug/l	99
46) Dibromomethane	7.67	93	124793	51.88	ug/l	98
47) Bromodichloromethane	7.90	83	240971	53.84	ug/l	98
48) Methyl methacrylate	7.78	41	215283	55.11	ug/l	99
49) 1,4-Dioxane	7.76	88	99921	1126.68	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1417153	267.18	ug/l	100
52) Toluene	8.79	92	465860	51.56	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	243760	49.31	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	262024	48.66	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	194198	53.24	ug/l	99
56) Ethyl methacrylate	9.18	69	279449	56.28	ug/l	98
57) 1,3-Dichloropropane	9.37	76	326905	53.17	ug/l	100
59) 2-Hexanone	9.50	43	1092740	270.05	ug/l	100
60) Dibromochloromethane	9.59	129	193012	54.32	ug/l	99
61) 1,2-Dibromoethane	9.67	107	195911	51.90	ug/l	100
64) Tetrachloroethene	9.34	164	222261	55.50	ug/l	99
65) Chlorobenzene	10.14	112	487884	47.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	185220	52.78	ug/l	96
67) Ethyl Benzene	10.26	91	846935	51.26	ug/l	98
68) m/p-Xylenes	10.36	106	683414	105.78	ug/l	100
69) o-Xylene	10.70	106	335163	54.84	ug/l	99
70) Stvrene	10.71	104	548863	55.47	ug/l	100
71) Bromoform	10.86	173	154450	54.60	ug/l	99
73) Isopropylbenzene	11.02	105	894589	54.67	ug/l	99
74) N-amyl acetate	10.90	43	225359	35.77	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	305017	53.26	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	268645m	53.01	ug/l	
77) Bromobenzene	11.26	156	240938	52.49	ug/l	99
78) n-propylbenzene	11.36	91	1015378	53.95	ug/l	100
79) 2-Chlorotoluene	11.42	91	610154	52.67	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	745158	54.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	73080	46.79	ug/l	98
82) 4-Chlorotoluene	11.51	91	715649	52.50	ug/l	99
83) tert-Butylbenzene	11.77	119	746427	54.74	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	763683	54.90	ug/l	100
85) sec-Butylbenzene	11.95	105	859903	53.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	729030	50.25	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	420235	48.62	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	421868	46.29	ug/l	99
89) n-Butylbenzene	12.39	91	578633	49.05	ug/l	100
90) Hexachloroethane	12.60	117	109918	54.21	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	410705	51.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55121	54.65	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	292888	50.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	135140	50.54	ug/l	96
95) Naphthalene	13.83	128	998534	61.43	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	327637	53.85	ug/l	99

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

