

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004076.D
 Acq On : 15 Aug 2018 16:54
 Operator : JC/MD
 Sample : VX0815WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:39:15 PM

Quant Time: Aug 16 06:36:34 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	5.67	168	307318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	215579	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	5.50	113	172875	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	8.72	98	686356	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	246214	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	61647	20.61	ug/l	99
3) Chloromethane	1.32	50	73266	19.96	ug/l	100
4) Vinyl Chloride	1.40	62	80198	20.19	ug/l	99
5) Bromomethane	1.64	94	45873	22.69	ug/l	99
6) Chloroethane	1.72	64	57181	20.85	ug/l	97
7) Trichlorofluoromethane	1.93	101	111190	19.96	ug/l	97
8) Diethyl Ether	2.18	74	47786	19.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68332	19.66	ug/l	99
10) Methyl Iodide	2.51	142	67980	21.49	ug/l	99
11) Tert butyl alcohol	3.05	59	95553	109.59	ug/l	98
12) 1,1-Dichloroethene	2.37	96	64272	19.88	ug/l	99
13) Acrolein	2.29	56	54979	99.81	ug/l	100
14) Allyl chloride	2.73	41	122237	19.87	ug/l	97
15) Acrylonitrile	3.14	53	227820	104.79	ug/l	99
16) Acetone	2.44	43	238844	106.09	ug/l	99
17) Carbon Disulfide	2.57	76	171832	18.74	ug/l	100
18) Methyl Acetate	2.77	43	107899	21.57	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	227359	19.96	ug/l	99
20) Methylene Chloride	2.86	84	77362	20.67	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	71081	19.36	ug/l	97
22) Diisopropyl ether	3.87	45	240047	19.91	ug/l	98
23) Vinyl Acetate	3.82	43	1017440	102.77	ug/l	99
24) 1,1-Dichloroethane	3.70	63	136671	20.02	ug/l	100
25) 2-Butanone	4.70	43	390447	106.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	102192	18.83	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	81176	19.66	ug/l	97
28) Bromochloromethane	5.02	49	65246	20.83	ug/l	94
29) Tetrahydrofuran	5.16	42	194306	103.83	ug/l	98
30) Chloroform	5.21	83	132105	19.83	ug/l	97
31) Cyclohexane	5.57	56	114717	19.17	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	112353	20.18	ug/l	99
36) 1,1-Dichloropropene	5.80	75	100456	19.51	ug/l	99
37) Ethyl Acetate	4.85	43	116434	20.77	ug/l	99
38) Carbon Tetrachloride	5.78	117	97070	19.41	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112774	19.31	ug/l	98
40) Benzene	6.15	78	310590	20.09	ug/l	99
41) Methacrylonitrile	5.06	41	62774	19.99	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108655	20.08	ug/l	99
43) Isopropyl Acetate	6.46	43	165472	20.03	ug/l	100
44) Trichloroethene	7.21	130	82003	19.54	ug/l	93
45) 1,2-Dichloropropane	7.52	63	79326	20.05	ug/l	100
46) Dibromomethane	7.67	93	51675	19.98	ug/l	99
47) Bromodichloromethane	7.90	83	95346	19.47	ug/l	99
48) Methyl methacrylate	7.78	41	85660	20.59	ug/l	99
49) 1,4-Dioxane	7.76	88	41018	438.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	736923	108.77	ug/l	99
52) Toluene	8.79	92	199061	20.36	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	104374	19.73	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	116965	19.96	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	80385	19.91	ug/l	99
56) Ethyl methacrylate	9.18	69	110115	20.06	ug/l	99
57) 1,3-Dichloropropane	9.37	76	136008	20.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	304769	109.03	ug/l	99
59) 2-Hexanone	9.50	43	559975	109.82	ug/l	99
60) Dibromochloromethane	9.59	129	75822	19.52	ug/l	99
61) 1,2-Dibromoethane	9.68	107	83545	20.30	ug/l	98
64) Tetrachloroethene	9.34	164	80572	19.55	ug/l	95
65) Chlorobenzene	10.14	112	220034	19.59	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	75789	19.79	ug/l	99
67) Ethyl Benzene	10.26	91	362922	20.41	ug/l	99
68) m/p-Xylenes	10.36	106	287413	41.27	ug/l	97
69) o-Xylene	10.70	106	134283	20.18	ug/l	94
70) Styrene	10.71	104	228114	20.37	ug/l	98
71) Bromoform	10.86	173	55934	18.42	ug/l	99
73) Isopropylbenzene	11.02	105	364693	21.95	ug/l	96
74) N-amyl acetate	6.46	43	165472	21.18	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	125612	21.65	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112983m	22.95	ug/l	
77) Bromobenzene	11.26	156	97705	21.33	ug/l	99
78) n-propylbenzene	11.36	91	424423	22.83	ug/l	99
79) 2-Chlorotoluene	11.42	91	252408	22.28	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	304985	22.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32457	20.41	ug/l	95
82) 4-Chlorotoluene	11.51	91	296649	22.15	ug/l	100
83) tert-Butylbenzene	11.77	119	292044	21.29	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	316549	22.47	ug/l	99
85) sec-Butylbenzene	11.94	105	355374	22.14	ug/l	100
86) p-Isopropyltoluene	12.07	119	315590	21.72	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	176402	20.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	174061	19.36	ug/l	98
89) n-Butylbenzene	12.39	91	233983	20.43	ug/l	98
90) Hexachloroethane	12.60	117	44541	20.48	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	157295	19.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21186	20.78	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109335	20.30	ug/l	97
94) Hexachlorobutadiene	13.79	225	57470	21.29	ug/l	97
95) Naphthalene	13.83	128	373845	22.42	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126133	21.48	ug/l	100

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

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