

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004552.D
 Acq On : 14 Sep 2018 20:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:27 PM

Quant Time: Sep 15 06:01:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	284507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197384	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	181700	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	5.50	113	157537	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	8.72	98	551375	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.14	95	188635	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	130394	48.90	ug/l	96
3) Chloromethane	1.32	50	160481	43.73	ug/l	100
4) Vinyl Chloride	1.40	62	177605	47.16	ug/l	96
5) Bromomethane	1.64	94	66329	41.87	ug/l	99
6) Chloroethane	1.71	64	119790	49.18	ug/l	98
7) Trichlorofluoromethane	1.92	101	239419	47.95	ug/l	93
8) Diethyl Ether	2.18	74	111924	50.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	153321	48.41	ug/l	98
10) Methyl Iodide	2.51	142	144466	39.16	ug/l	97
11) Tert butyl alcohol	3.07	59	208051	237.68	ug/l	99
12) 1,1-Dichloroethene	2.37	96	144653	48.66	ug/l	98
13) Acrolein	2.29	56	79774	230.87	ug/l	97
14) Allyl chloride	2.73	41	288862	47.26	ug/l	96
15) Acrylonitrile	3.15	53	496732	235.65	ug/l	99
16) Acetone	2.45	43	388349	216.90	ug/l	95
17) Carbon Disulfide	2.57	76	415164	48.32	ug/l	99
18) Methyl Acetate	2.78	43	239790	47.74	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	522789	50.12	ug/l	97
20) Methylene Chloride	2.85	84	172555	46.98	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	162386	49.43	ug/l	93
22) Diisopropyl ether	3.87	45	539288	48.99	ug/l	98
23) Vinyl Acetate	3.82	43	2233038	250.69	ug/l	99
24) 1,1-Dichloroethane	3.70	63	300060	48.28	ug/l	99
25) 2-Butanone	4.70	43	637720	223.79	ug/l	97
26) 2,2-Dichloropropane	4.58	77	200336	46.93	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	187749	51.20	ug/l	98
28) Bromochloromethane	5.02	49	144105	50.69	ug/l	99
29) Tetrahydrofuran	5.15	42	415845	241.99	ug/l	99
30) Chloroform	5.21	83	294636	48.56	ug/l	97
31) Cyclohexane	5.57	56	275245	51.87	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	247233	50.59	ug/l	99
36) 1,1-Dichloropropene	5.80	75	224298	49.19	ug/l	99
37) Ethyl Acetate	4.85	43	240626	46.40	ug/l	99
38) Carbon Tetrachloride	5.79	117	211742	47.54	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	249145	52.36	ug/l	91
40) Benzene	6.14	78	684942	50.62	ug/l	95
41) Methacrylonitrile	5.06	41	135718	47.49	ug/l	98
42) 1,2-Dichloroethane	6.20	62	219132	48.83	ug/l	100
43) Isopropyl Acetate	6.46	43	358708	52.07	ug/l	100
44) Trichloroethene	7.21	130	175714	49.99	ug/l	92
45) 1,2-Dichloropropane	7.52	63	154933	47.59	ug/l	99
46) Dibromomethane	7.66	93	99377	48.32	ug/l	99
47) Bromodichloromethane	7.90	83	182025	46.80	ug/l	99
48) Methyl methacrylate	7.77	41	164499	48.25	ug/l	98
49) 1,4-Dioxane	7.76	88	77703	963.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1056817	217.40	ug/l	99
52) Toluene	8.79	92	383106	48.06	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	234290	51.57	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	226397	48.88	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	176509	51.43	ug/l	95
56) Ethyl methacrylate	9.18	69	270298	55.67	ug/l	97
57) 1,3-Dichloropropane	9.37	76	288457	51.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	563556	228.44	ug/l	97
59) 2-Hexanone	9.50	43	912397	244.69	ug/l	99
60) Dibromochloromethane	9.58	129	167554	51.85	ug/l	95
61) 1,2-Dibromoethane	9.68	107	174419	53.19	ug/l	95
64) Tetrachloroethene	9.33	164	220444	53.40	ug/l	94
65) Chlorobenzene	10.14	112	413808	50.39	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	145335	51.32	ug/l	100
67) Ethyl Benzene	10.26	91	696781	52.18	ug/l	99
68) m/p-Xylenes	10.36	106	543755	105.71	ug/l	98
69) o-Xylene	10.70	106	265403	53.67	ug/l	100
70) Styrene	10.71	104	446363	54.48	ug/l	98
71) Bromoform	10.86	173	119430	51.36	ug/l #	99
73) Isopropylbenzene	11.02	105	706742	54.37	ug/l	100
74) N-amyl acetate	10.90	43	289551	52.92	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	210314	50.16	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	200818m	50.57	ug/l	
77) Bromobenzene	11.26	156	187138	52.08	ug/l	100
78) n-propylbenzene	11.36	91	802312	53.68	ug/l	100
79) 2-Chlorotoluene	11.42	91	475100	52.41	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	591573	54.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	64960	52.14	ug/l	93
82) 4-Chlorotoluene	11.51	91	550392	52.02	ug/l	99
83) tert-Butylbenzene	11.77	119	576919	55.45	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	610345	54.70	ug/l	99
85) sec-Butylbenzene	11.94	105	747433	56.38	ug/l	98
86) p-Isopropyltoluene	12.07	119	657205	56.13	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	342745	51.13	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	346286	49.99	ug/l	99
89) n-Butylbenzene	12.39	91	555993	52.11	ug/l	98
90) Hexachloroethane	12.60	117	97465	52.00	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	349640	51.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48874	54.59	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	293533	61.10	ug/l	95
94) Hexachlorobutadiene	13.79	225	140374	55.93	ug/l	96
95) Naphthalene	13.83	128	797682	59.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	271959	55.10	ug/l	99

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

