

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005207.D
 Acq On : 10 Oct 2018 15:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:44:59 AM

Quant Time: Oct 11 06:52:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	130744	35.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.90%	
35) Dibromofluoromethane	5.51	113	105468	34.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.38%	
50) Toluene-d8	8.72	98	387576	38.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.70%	
62) 4-Bromofluorobenzene	11.14	95	150271	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	186729	53.05	ug/l	98
3) Chloromethane	1.32	50	193625	45.34	ug/l	99
4) Vinyl Chloride	1.40	62	189268	47.25	ug/l	100
5) Bromomethane	1.64	94	115352	48.57	ug/l	93
6) Chloroethane	1.71	64	108957	49.91	ug/l	95
7) Trichlorofluoromethane	1.92	101	250219	50.46	ug/l	96
8) Diethyl Ether	2.19	74	100073	46.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140451	49.72	ug/l	100
10) Methyl Iodide	2.51	142	161320	42.68	ug/l	92
11) Tert butyl alcohol	3.08	59	227325	220.46	ug/l	99
12) 1,1-Dichloroethene	2.37	96	131912	47.16	ug/l	93
13) Acrolein	2.29	56	121841	166.07	ug/l	92
14) Allyl chloride	2.72	41	293023	48.01	ug/l	94
15) Acrylonitrile	3.15	53	519033	228.65	ug/l	95
16) Acetone	2.45	43	528170	245.31	ug/l	94
17) Carbon Disulfide	2.56	76	387208	46.07	ug/l	99
18) Methyl Acetate	2.78	43	266001	48.76	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	464818	48.17	ug/l	96
20) Methylene Chloride	2.85	84	148705	47.46	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	138889	45.36	ug/l #	76
22) Diisopropyl ether	3.87	45	471219	45.85	ug/l	97
23) Vinyl Acetate	3.82	43	2111931	224.49	ug/l	100
24) 1,1-Dichloroethane	3.70	63	270726	44.16	ug/l	98
25) 2-Butanone	4.71	43	733370	231.08	ug/l	96
26) 2,2-Dichloropropane	4.58	77	210562	49.32	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	146492	42.82	ug/l	92
28) Bromochloromethane	5.02	49	102414	35.47	ug/l	99
29) Tetrahydrofuran	5.16	42	453965	230.14	ug/l	96
30) Chloroform	5.21	83	246587	42.56	ug/l	99
31) Cyclohexane	5.57	56	233998	49.87	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	217725	46.01	ug/l	96
36) 1,1-Dichloropropene	5.80	75	194968	47.00	ug/l	95
37) Ethyl Acetate	4.86	43	241324	43.83	ug/l	99
38) Carbon Tetrachloride	5.78	117	198233	45.46	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	234781	55.43	ug/l #	84
40) Benzene	6.14	78	561005	43.20	ug/l	97
41) Methacrylonitrile	5.06	41	134543	44.06	ug/l	97
42) 1,2-Dichloroethane	6.20	62	198711	43.29	ug/l	98
43) Isopropyl Acetate	6.46	43	357401	44.97	ug/l	96
44) Trichloroethene	7.21	130	149272	46.76	ug/l	96
45) 1,2-Dichloropropane	7.52	63	149173	46.84	ug/l	98
46) Dibromomethane	7.66	93	96141	48.04	ug/l	100
47) Bromodichloromethane	7.90	83	185395	49.48	ug/l	100
48) Methyl methacrylate	7.78	41	190611	52.84	ug/l	100
49) 1,4-Dioxane	7.76	88	80318	896.26	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1266874	253.18	ug/l	99
52) Toluene	8.79	92	350788	49.16	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	214251	50.60	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	232089	52.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143487	45.91	ug/l	96
56) Ethyl methacrylate	9.18	69	230516	45.71	ug/l	97
57) 1,3-Dichloropropane	9.37	76	240669	46.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	499931	189.29	ug/l	99
59) 2-Hexanone	9.50	43	1025967	246.04	ug/l	95
60) Dibromochloromethane	9.59	129	152250	48.71	ug/l	99
61) 1,2-Dibromoethane	9.68	107	148475	44.35	ug/l	94
64) Tetrachloroethene	9.34	164	150626	45.23	ug/l	95
65) Chlorobenzene	10.14	112	395478	45.58	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	145185	47.59	ug/l	98
67) Ethyl Benzene	10.26	91	684007	49.65	ug/l	96
68) m/p-Xylenes	10.36	106	536581	99.67	ug/l	95
69) o-Xylene	10.70	106	255051	51.58	ug/l	100
70) Styrene	10.71	104	431047	46.75	ug/l	99
71) Bromoform	10.86	173	126846	48.57	ug/l #	97
73) Isopropylbenzene	11.02	105	701087	57.00	ug/l	100
74) N-amyl acetate	10.90	43	328244	48.61	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	239628	47.86	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	219702m	50.23	ug/l	
77) Bromobenzene	11.26	156	184459	51.63	ug/l	100
78) n-propylbenzene	11.36	91	817883	57.96	ug/l	99
79) 2-Chlorotoluene	11.42	91	480796	54.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	602005	53.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	72728	45.54	ug/l	98
82) 4-Chlorotoluene	11.51	91	575414	55.58	ug/l	99
83) tert-Butylbenzene	11.77	119	603723	59.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	624492	53.73	ug/l	99
85) sec-Butylbenzene	11.94	105	728985	59.10	ug/l	100
86) p-Isopropyltoluene	12.07	119	663267	59.35	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	348966	52.31	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	356548	51.78	ug/l	99
89) n-Butylbenzene	12.39	91	604667	59.58	ug/l	100
90) Hexachloroethane	12.60	117	104301	56.06	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	351096	50.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57935	52.70	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	277538	56.75	ug/l	99
94) Hexachlorobutadiene	13.79	225	142085	56.03	ug/l	99
95) Naphthalene	13.83	128	831678	51.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277271	54.89	ug/l	100

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

