

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003938.D
 Acq On : 08 Aug 2018 21:44
 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
 8/9/2018 10:40:47 AM

Quant Time: Aug 09 05:14:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	351934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	528926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	493997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	275483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	230317	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	5.51	113	194790	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	8.72	98	747254	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.14	95	278302	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	167445	46.95	ug/l	100
3) Chloromethane	1.32	50	208059	42.88	ug/l	99
4) Vinyl Chloride	1.40	62	219753	45.41	ug/l	99
5) Bromomethane	1.64	94	90788	34.49	ug/l	98
6) Chloroethane	1.72	64	149619	48.33	ug/l	100
7) Trichlorofluoromethane	1.92	101	296979	46.48	ug/l	99
8) Diethyl Ether	2.19	74	136830	47.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	182888	45.80	ug/l	99
10) Methyl Iodide	2.51	142	147007	29.59	ug/l	100
11) Tert butyl alcohol	3.08	59	275650	245.89	ug/l	100
12) 1,1-Dichloroethene	2.37	96	176948	46.84	ug/l	99
13) Acrolein	2.29	56	115671	199.37	ug/l	100
14) Allyl chloride	2.72	41	332487	45.66	ug/l	99
15) Acrylonitrile	3.15	53	626309	234.14	ug/l	100
16) Acetone	2.45	43	623835	224.77	ug/l	100
17) Carbon Disulfide	2.56	76	475700	44.48	ug/l	99
18) Methyl Acetate	2.78	43	289981	47.98	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	659721	49.29	ug/l	99
20) Methylene Chloride	2.86	84	210043	47.95	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	196868	45.91	ug/l	99
22) Diisopropyl ether	3.87	45	640746	47.87	ug/l	99
23) Vinyl Acetate	3.82	43	2703116	242.72	ug/l	99
24) 1,1-Dichloroethane	3.70	63	374063	47.05	ug/l	99
25) 2-Butanone	4.71	43	1028606	246.50	ug/l	98
26) 2,2-Dichloropropane	4.58	77	217653	37.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	229414	49.30	ug/l	95
28) Bromochloromethane	5.02	49	165505	48.64	ug/l	97
29) Tetrahydrofuran	5.17	42	520405	242.64	ug/l	99
30) Chloroform	5.21	83	362736	48.46	ug/l	98
31) Cyclohexane	5.57	56	325092	48.35	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	313608	49.96	ug/l	99
36) 1,1-Dichloropropene	5.80	75	277217	46.80	ug/l	100
37) Ethyl Acetate	4.87	43	308080	47.28	ug/l	99
38) Carbon Tetrachloride	5.78	117	268917	47.69	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	333960	47.81	ug/l	97
40) Benzene	6.14	78	843676	47.43	ug/l	100
41) Methacrylonitrile	5.07	41	171991	47.92	ug/l	99
42) 1,2-Dichloroethane	6.20	62	286858	47.69	ug/l	100
43) Isopropyl Acetate	6.47	43	484104	49.37	ug/l	99
44) Trichloroethene	7.21	130	226636	46.59	ug/l	94
45) 1,2-Dichloropropane	7.52	63	217164	47.28	ug/l	99
46) Dibromomethane	7.67	93	140359	47.06	ug/l	99
47) Bromodichloromethane	7.90	83	268907	47.86	ug/l	99
48) Methyl methacrylate	7.78	41	249893	50.13	ug/l	98
49) 1,4-Dioxane	7.76	88	119379	1016.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2017690	248.23	ug/l	99
52) Toluene	8.79	92	581794	51.76	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	301081	47.41	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	327878	47.88	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	221731	48.28	ug/l	98
56) Ethyl methacrylate	9.18	69	346104	51.94	ug/l	99
57) 1,3-Dichloropropane	9.37	76	368364	47.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	819375	250.05	ug/l	100
59) 2-Hexanone	9.50	43	1547203	254.64	ug/l	99
60) Dibromochloromethane	9.59	129	219659	51.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	228148	49.61	ug/l	100
64) Tetrachloroethene	9.34	164	215377	44.32	ug/l	95
65) Chlorobenzene	10.14	112	603078	46.92	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	215296	48.72	ug/l	99
67) Ethyl Benzene	10.26	91	1066618	50.69	ug/l	100
68) m/p-Xylenes	10.36	106	858659	104.44	ug/l	96
69) o-Xylene	10.70	106	409316	52.74	ug/l	96
70) Styrene	10.71	104	659066	51.87	ug/l	98
71) Bromoform	10.86	173	170119	45.67	ug/l	99
73) Isopropylbenzene	11.02	105	1046012	51.33	ug/l	97
74) N-amyl acetate	6.47	43	484104	45.68	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	345560	49.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	302994m	49.80	ug/l	
77) Bromobenzene	11.26	156	275536	50.68	ug/l	98
78) n-propylbenzene	11.36	91	1187989	51.91	ug/l	100
79) 2-Chlorotoluene	11.42	91	699397	50.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	873374	52.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	93119	42.00	ug/l	98
82) 4-Chlorotoluene	11.51	91	823011	50.35	ug/l	100
83) tert-Butylbenzene	11.77	119	873762	53.45	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	927234	55.49	ug/l	99
85) sec-Butylbenzene	11.95	105	1006146	52.15	ug/l	99
86) p-Isopropyltoluene	12.07	119	851362	49.18	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	473210	47.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	469055	48.67	ug/l	99
89) n-Butylbenzene	12.39	91	671336	44.50	ug/l	100
90) Hexachloroethane	12.60	117	123056	43.78	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	442009	44.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	66343	46.37	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	366535	51.16	ug/l	97
94) Hexachlorobutadiene	13.79	225	161675	51.14	ug/l	99
95) Naphthalene	13.83	128	1188254	57.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	375736	52.55	ug/l	100

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

