

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005988.D
 Acq On : 14 Nov 2018 21:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:14:52 PM

Quant Time: Nov 15 03:18:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	122288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	182051	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	159971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89916	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	69518	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	5.51	113	56527	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
50) Toluene-d8	8.71	98	199475	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.14	95	75429	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	51242	46.48	ug/l	93
3) Chloromethane	1.32	50	64662	44.69	ug/l	98
4) Vinyl Chloride	1.41	62	65162	44.86	ug/l	99
5) Bromomethane	1.64	94	37595	42.29	ug/l	99
6) Chloroethane	1.71	64	41823	48.25	ug/l	100
7) Trichlorofluoromethane	1.92	101	90600	46.99	ug/l	98
8) Diethyl Ether	2.19	74	38009	50.31	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53059	47.85	ug/l	98
10) Methyl Iodide	2.51	142	59441	44.23	ug/l	99
11) Tert butyl alcohol	3.07	59	95626	237.44	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51524	47.67	ug/l	96
13) Acrolein	2.29	56	60339	309.30	ug/l	100
14) Allyl chloride	2.73	41	115816	47.98	ug/l	97
15) Acrylonitrile	3.15	53	209386	250.88	ug/l	99
16) Acetone	2.45	43	181952	240.38	ug/l	99
17) Carbon Disulfide	2.57	76	147112	45.63	ug/l	96
18) Methyl Acetate	2.78	43	111418	55.08	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	194795	52.80	ug/l	98
20) Methylene Chloride	2.85	84	59706	48.02	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	54923	48.18	ug/l #	91
22) Diisopropyl ether	3.87	45	218263	51.61	ug/l	97
23) Vinyl Acetate	3.82	43	896473	247.24	ug/l	95
24) 1,1-Dichloroethane	3.69	63	113217	50.18	ug/l	100
25) 2-Butanone	4.70	43	300437	252.46	ug/l	98
26) 2,2-Dichloropropane	4.58	77	77010	46.53	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62334	49.52	ug/l	98
28) Bromochloromethane	5.01	49	53602	53.16	ug/l	100
29) Tetrahydrofuran	5.16	42	188130	246.21	ug/l	97
30) Chloroform	5.21	83	107092	49.20	ug/l	94
31) Cyclohexane	5.58	56	89843	45.87	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	87963	48.45	ug/l	99
36) 1,1-Dichloropropene	5.80	75	76439	43.55	ug/l	98
37) Ethyl Acetate	4.85	43	106133	45.99	ug/l	99
38) Carbon Tetrachloride	5.78	117	74419	42.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86355	48.55	ug/l	94
40) Benzene	6.15	78	229808	44.92	ug/l	100
41) Methacrylonitrile	5.05	41	58904	47.23	ug/l	98
42) 1,2-Dichloroethane	6.20	62	80530	43.94	ug/l	99
43) Isopropyl Acetate	6.46	43	158964	47.53	ug/l	98
44) Trichloroethene	7.21	130	58747	45.21	ug/l	100
45) 1,2-Dichloropropane	7.52	63	60564	48.77	ug/l	99
46) Dibromomethane	7.66	93	38111	48.91	ug/l	99
47) Bromodichloromethane	7.90	83	73699	50.04	ug/l	99
48) Methyl methacrylate	7.77	41	78208	52.08	ug/l	99
49) 1,4-Dioxane	7.75	88	32221	995.80	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	523077	248.18	ug/l	99
52) Toluene	8.79	92	135753	47.48	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	82955	47.73	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	90027	50.82	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	56466	44.31	ug/l	99
56) Ethyl methacrylate	9.18	69	93446	49.01	ug/l	98
57) 1,3-Dichloropropane	9.37	76	96738	45.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	249328	240.30	ug/l	100
59) 2-Hexanone	9.49	43	414289	223.00	ug/l	98
60) Dibromochloromethane	9.59	129	59915	43.50	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59716	42.38	ug/l	100
64) Tetrachloroethene	9.34	164	60259	44.24	ug/l	99
65) Chlorobenzene	10.14	112	154115	48.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56872	51.05	ug/l	99
67) Ethyl Benzene	10.25	91	267302	52.02	ug/l	100
68) m/p-Xylenes	10.36	106	203671	103.91	ug/l	100
69) o-Xylene	10.70	106	98507	56.04	ug/l	100
70) Styrene	10.71	104	165196	56.97	ug/l	99
71) Bromoform	10.86	173	50200	53.75	ug/l	99
73) Isopropylbenzene	11.02	105	269456	51.82	ug/l	100
74) N-amyl acetate	10.90	43	138387	47.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	94256	49.39	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	90138m	49.23	ug/l	
77) Bromobenzene	11.26	156	70764	48.28	ug/l	99
78) n-propylbenzene	11.36	91	310406	50.65	ug/l	100
79) 2-Chlorotoluene	11.42	91	184769	49.88	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	227681	51.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28768	50.08	ug/l	95
82) 4-Chlorotoluene	11.51	91	218136	49.97	ug/l	100
83) tert-Butylbenzene	11.77	119	227261	50.84	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	233948	47.97	ug/l	100
85) sec-Butylbenzene	11.94	105	271935	49.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	242816	50.15	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131410	46.72	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	132490	46.01	ug/l	100
89) n-Butylbenzene	12.39	91	213196	47.51	ug/l	100
90) Hexachloroethane	12.60	117	40539	50.15	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	130964	46.48	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23534	50.53	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96394	48.60	ug/l	100
94) Hexachlorobutadiene	13.78	225	45429	43.60	ug/l	99
95) Naphthalene	13.83	128	310470	48.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97445	48.22	ug/l	100

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

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