

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006591.D
 Acq On : 18 Dec 2018 12:04
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:02 AM

Quant Time: Dec 19 00:53:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	623524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	971059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	890040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	465942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	337052	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	5.50	113	305513	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	8.71	98	1148015	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	432633	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	274047	48.043	ug/l	100
3) Chloromethane	1.32	50	292984	47.676	ug/l	100
4) Vinyl Chloride	1.41	62	307797	47.956	ug/l	100
5) Bromomethane	1.64	94	304478	43.630	ug/l	100
6) Chloroethane	1.71	64	198534	44.674	ug/l	100
7) Trichlorofluoromethane	1.93	101	488354	48.803	ug/l	100
8) Diethyl Ether	2.19	74	187136	47.084	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	284559	48.432	ug/l	100
10) Methyl Iodide	2.51	142	446471	53.086	ug/l	100
11) Tert butyl alcohol	3.07	59	367807	245.248	ug/l	100
12) 1,1-Dichloroethene	2.37	96	265493	47.656	ug/l	100
13) Acrolein	2.29	56	242392	239.581	ug/l	100
14) Allyl chloride	2.73	41	458412	48.885	ug/l	100
15) Acrylonitrile	3.15	53	823341	247.258	ug/l	100
16) Acetone	2.45	43	738184	239.095	ug/l	100
17) Carbon Disulfide	2.57	76	696496	47.243	ug/l	100
18) Methyl Acetate	2.78	43	442428	48.734	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	910062	49.218	ug/l	100
20) Methylene Chloride	2.86	84	296644	46.465	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	284838	46.145	ug/l	100
22) Diisopropyl ether	3.87	45	847926	49.427	ug/l	100
23) Vinyl Acetate	3.82	43	3486879	248.487	ug/l	100
24) 1,1-Dichloroethane	3.70	63	479381	46.810	ug/l	100
25) 2-Butanone	4.70	43	1061761	244.486	ug/l	100
26) 2,2-Dichloropropane	4.59	77	387387	48.970	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	333506	48.970	ug/l	100
28) Bromochloromethane	5.02	49	221192	46.977	ug/l	100
29) Tetrahydrofuran	5.15	42	703007	245.778	ug/l	100
30) Chloroform	5.21	83	515649	48.623	ug/l	100
31) Cyclohexane	5.57	56	452222	48.607	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	454806	50.790	ug/l	100
36) 1,1-Dichloropropene	5.80	75	389483	48.427	ug/l	100
37) Ethyl Acetate	4.85	43	398326	47.585	ug/l	100
38) Carbon Tetrachloride	5.78	117	385984	49.383	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	505077	47.701	ug/l	100
40) Benzene	6.14	78	1185706	48.501	ug/l	100
41) Methacrylonitrile	5.06	41	226683	48.189	ug/l	100
42) 1,2-Dichloroethane	6.20	62	390108	46.829	ug/l	100
43) Isopropyl Acetate	6.46	43	639381	50.200	ug/l	100
44) Trichloroethene	7.21	130	348115	47.047	ug/l	100
45) 1,2-Dichloropropane	7.51	63	280897	47.216	ug/l	100
46) Dibromomethane	7.66	93	212166	48.485	ug/l	100
47) Bromodichloromethane	7.90	83	364287	50.143	ug/l	100
48) Methyl methacrylate	7.77	41	330250	50.988	ug/l	100
49) 1,4-Dioxane	7.75	88	172740	942.599	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2058927	254.064	ug/l	100
52) Toluene	8.79	92	773746	48.991	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	410424	52.675	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	451168	52.772	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	314495	48.648	ug/l	100
56) Ethyl methacrylate	9.18	69	474751	51.960	ug/l	100
57) 1,3-Dichloropropane	9.37	76	501701	48.236	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1195734	246.193	ug/l	100
59) 2-Hexanone	9.49	43	1581471	255.056	ug/l	100
60) Dibromochloromethane	9.58	129	317217	53.273	ug/l	100
61) 1,2-Dibromoethane	9.67	107	345232	50.237	ug/l	100
64) Tetrachloroethene	9.34	164	331862	47.088	ug/l	100
65) Chlorobenzene	10.14	112	906274	48.130	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	305021	51.921	ug/l	100
67) Ethyl Benzene	10.25	91	1492656	48.512	ug/l	100
68) m/p-Xylenes	10.36	106	1199242	98.774	ug/l	100
69) o-Xylene	10.70	106	596197	49.728	ug/l	100
70) Styrene	10.71	104	967246	50.994	ug/l	100
71) Bromoform	10.86	173	237364	53.071	ug/l	100
73) Isopropylbenzene	11.02	105	1556702	48.836	ug/l	100
74) N-amyl acetate	10.90	43	580295	50.860	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	470175	49.597	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	446654m	54.114	ug/l	
77) Bromobenzene	11.26	156	426028	49.436	ug/l	100
78) n-propylbenzene	11.36	91	1736722	49.477	ug/l	100
79) 2-Chlorotoluene	11.42	91	1027229	48.290	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1299718	49.503	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	127054	52.557	ug/l	100
82) 4-Chlorotoluene	11.51	91	1190255	48.780	ug/l	100
83) tert-Butylbenzene	11.77	119	1328198	50.545	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1335566	48.362	ug/l	100
85) sec-Butylbenzene	11.94	105	1595179	49.513	ug/l	100
86) p-Isopropyltoluene	12.06	119	1419209	50.113	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	761651	49.039	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	766317	48.073	ug/l	100
89) n-Butylbenzene	12.39	91	1206178	50.045	ug/l	100
90) Hexachloroethane	12.60	117	202446	52.476	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	748632	48.184	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99543	50.747	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	529482	49.405	ug/l	100
94) Hexachlorobutadiene	13.78	225	239717	47.455	ug/l	100
95) Naphthalene	13.83	128	1684540	49.247	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	524375	47.389	ug/l	100

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

