

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006608.D
 Acq On : 18 Dec 2018 19:51
 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
 12/19/2018 11:22:41 AM

Quant Time: Dec 19 06:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	614021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	963211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	892017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	463694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	324768	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.50	113	291031	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	8.71	98	1106598	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.14	95	419103	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	268604	47.818	ug/l	100
3) Chloromethane	1.33	50	288617	47.692	ug/l	98
4) Vinyl Chloride	1.41	62	311414	49.271	ug/l	99
5) Bromomethane	1.64	94	301447	51.152	ug/l	98
6) Chloroethane	1.72	64	197771	45.191	ug/l	100
7) Trichlorofluoromethane	1.93	101	484750	49.193	ug/l	98
8) Diethyl Ether	2.19	74	184721	47.196	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	287193	49.637	ug/l	99
10) Methyl Iodide	2.51	142	445865	53.834	ug/l	99
11) Tert butyl alcohol	3.07	59	377808	255.815	ug/l	100
12) 1,1-Dichloroethene	2.37	96	264810	48.269	ug/l	97
13) Acrolein	2.30	56	225201	226.034	ug/l	97
14) Allyl chloride	2.73	41	460748	49.895	ug/l	99
15) Acrylonitrile	3.15	53	837059	255.268	ug/l	99
16) Acetone	2.45	43	712813	234.450	ug/l	96
17) Carbon Disulfide	2.57	76	666189	45.886	ug/l	99
18) Methyl Acetate	2.78	43	450379	50.377	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	916205	50.318	ug/l	99
20) Methylene Chloride	2.86	84	302800	48.163	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	285401	46.952	ug/l	94
22) Diisopropyl ether	3.87	45	846346	50.098	ug/l	99
23) Vinyl Acetate	3.82	43	3444314	249.252	ug/l	100
24) 1,1-Dichloroethane	3.70	63	482702	47.864	ug/l	98
25) 2-Butanone	4.70	43	1048421	245.151	ug/l	98
26) 2,2-Dichloropropane	4.59	77	355187	45.595	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	326067	48.619	ug/l	98
28) Bromochloromethane	5.02	49	228496	53.893	ug/l	98
29) Tetrahydrofuran	5.15	42	705487	250.463	ug/l	98
30) Chloroform	5.21	83	514740	49.289	ug/l	97
31) Cyclohexane	5.57	56	448044	48.903	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	445370	50.506	ug/l	99
36) 1,1-Dichloropropene	5.80	75	383395	48.059	ug/l	99
37) Ethyl Acetate	4.85	43	396016	47.694	ug/l	99
38) Carbon Tetrachloride	5.79	117	373715	48.203	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	500430	47.648	ug/l	97
40) Benzene	6.14	78	1164599	48.026	ug/l	99
41) Methacrylonitrile	5.06	41	222302	47.643	ug/l	99
42) 1,2-Dichloroethane	6.20	62	388787	47.051	ug/l	99
43) Isopropyl Acetate	6.46	43	639452	50.615	ug/l	100
44) Trichloroethene	7.21	130	342499	46.665	ug/l	93
45) 1,2-Dichloropropane	7.52	63	284474	48.207	ug/l	97
46) Dibromomethane	7.66	93	208225	47.972	ug/l	94
47) Bromodichloromethane	7.90	83	355979	49.399	ug/l	99
48) Methyl methacrylate	7.77	41	327545	50.983	ug/l	98
49) 1,4-Dioxane	7.75	88	172669	1027.750	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2076727	258.348	ug/l	99
52) Toluene	8.79	92	771101	49.221	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	391063	50.599	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	439398	51.814	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	317020	49.439	ug/l	99
56) Ethyl methacrylate	9.18	69	468313	51.673	ug/l	98
57) 1,3-Dichloropropane	9.37	76	499290	48.396	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1198280	248.727	ug/l	100
59) 2-Hexanone	9.49	43	1563385	254.193	ug/l	98
60) Dibromochloromethane	9.59	129	310682	46.495	ug/l	100
61) 1,2-Dibromoethane	9.67	107	342462	50.240	ug/l	100
64) Tetrachloroethene	9.34	164	331923	46.992	ug/l	99
65) Chlorobenzene	10.14	112	900450	47.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	301082	51.136	ug/l	99
67) Ethyl Benzene	10.25	91	1482465	48.074	ug/l	98
68) m/p-Xylenes	10.36	106	1185620	97.436	ug/l	100
69) o-Xylene	10.70	106	586801	48.835	ug/l	100
70) Styrene	10.71	104	958985	50.447	ug/l	99
71) Bromoform	10.86	173	226470	43.299	ug/l #	100
73) Isopropylbenzene	11.02	105	1551197	48.899	ug/l	100
74) N-amyl acetate	10.90	43	582012	51.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	470727	49.896	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	436514m	53.712	ug/l	
77) Bromobenzene	11.26	156	419507	48.915	ug/l	98
78) n-propylbenzene	11.36	91	1722370	49.306	ug/l	100
79) 2-Chlorotoluene	11.42	91	1031689	48.735	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1296542	49.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	121166	43.401	ug/l #	81
82) 4-Chlorotoluene	11.51	91	1179828	48.587	ug/l	100
83) tert-Butylbenzene	11.77	119	1309775	50.086	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1331217	48.438	ug/l	99
85) sec-Butylbenzene	11.94	105	1581123	49.314	ug/l	100
86) p-Isopropyltoluene	12.06	119	1413152	50.141	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	749791	48.510	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	746805	47.076	ug/l	99
89) n-Butylbenzene	12.39	91	1211193	50.496	ug/l	99
90) Hexachloroethane	12.60	117	200448	45.744	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	739170	47.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	98807	50.616	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	515944	48.375	ug/l	98
94) Hexachlorobutadiene	13.79	225	233875	46.523	ug/l	99
95) Naphthalene	13.83	128	1660390	48.777	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	526281	47.791	ug/l	98

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

