

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006306.D
 Acq On : 05 Dec 2018 17:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:42:13 AM

Quant Time: Dec 06 01:09:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	664678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	986616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	883040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	449311	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	325603	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	5.50	113	318479	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	1109248	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.13	95	415672	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	330327	50.756	ug/l	100
3) Chloromethane	1.33	50	305715	45.711	ug/l	97
4) Vinyl Chloride	1.41	62	336863	46.800	ug/l	99
5) Bromomethane	1.64	94	234299	46.968	ug/l	100
6) Chloroethane	1.71	64	211948	48.024	ug/l	100
7) Trichlorofluoromethane	1.93	101	531056	48.063	ug/l	100
8) Diethyl Ether	2.19	74	203177	48.587	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	304722	48.502	ug/l	99
10) Methyl Iodide	2.51	142	414202	43.746	ug/l	99
11) Tert butyl alcohol	3.07	59	407879	219.807	ug/l	100
12) 1,1-Dichloroethene	2.37	96	284999	47.386	ug/l	95
13) Acrolein	2.29	56	227491	224.302	ug/l	98
14) Allyl chloride	2.73	41	532118	44.788	ug/l	99
15) Acrylonitrile	3.15	53	898566	232.053	ug/l	100
16) Acetone	2.45	43	764528	240.093	ug/l	99
17) Carbon Disulfide	2.57	76	800356	43.185	ug/l	100
18) Methyl Acetate	2.78	43	511109	47.996	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1019870	47.534	ug/l	100
20) Methylene Chloride	2.86	84	315125	46.500	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	297175	46.366	ug/l	97
22) Diisopropyl ether	3.87	45	914492	49.279	ug/l	99
23) Vinyl Acetate	3.82	43	3861760	243.984	ug/l	100
24) 1,1-Dichloroethane	3.70	63	517462	48.785	ug/l	100
25) 2-Butanone	4.70	43	1102256	242.599	ug/l	98
26) 2,2-Dichloropropane	4.59	77	477225	48.751	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	359123	50.232	ug/l	98
28) Bromochloromethane	5.02	49	234880	50.697	ug/l	96
29) Tetrahydrofuran	5.15	42	738688	233.929	ug/l	98
30) Chloroform	5.21	83	556754	49.948	ug/l	100
31) Cyclohexane	5.57	56	460154	46.943	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	516074	48.661	ug/l	100
36) 1,1-Dichloropropene	5.80	75	393223	47.329	ug/l	98
37) Ethyl Acetate	4.85	43	434855	46.737	ug/l	98
38) Carbon Tetrachloride	5.78	117	475256	48.624	ug/l	98

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39) Methylcyclohexane	7.46	83	511198	47.401	ug/l	100
40) Benzene	6.14	78	1218753	48.977	ug/l	99
41) Methacrylonitrile	5.06	41	239080	46.698	ug/l	98
42) 1,2-Dichloroethane	6.20	62	405135	49.746	ug/l	99
43) Isopropyl Acetate	6.46	43	715466	46.121	ug/l	99
44) Trichloroethene	7.21	130	366883	48.668	ug/l	98
45) 1,2-Dichloropropane	7.52	63	308111	48.718	ug/l	99
46) Dibromomethane	7.66	93	223492	48.930	ug/l	99
47) Bromodichloromethane	7.90	83	426821	48.254	ug/l	100
48) Methyl methacrylate	7.77	41	350915	46.498	ug/l	97
49) 1,4-Dioxane	7.75	88	170096	914.483	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2109978	233.645	ug/l	99
52) Toluene	8.79	92	790447	48.283	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	478881	46.293	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	519572	48.370	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	332027	49.922	ug/l	99
56) Ethyl methacrylate	9.18	69	495598	47.665	ug/l	99
57) 1,3-Dichloropropane	9.37	76	515115	48.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1233798	233.841	ug/l	99
59) 2-Hexanone	9.49	43	1588746	230.270	ug/l	100
60) Dibromochloromethane	9.59	129	391099	47.688	ug/l	99
61) 1,2-Dibromoethane	9.67	107	361913	48.666	ug/l	99
64) Tetrachloroethene	9.34	164	319808	48.091	ug/l	98
65) Chlorobenzene	10.14	112	928570	49.537	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	358961	49.287	ug/l	99
67) Ethyl Benzene	10.25	91	1517644	48.679	ug/l	100
68) m/p-Xylenes	10.36	106	1211120	96.979	ug/l	100
69) o-Xylene	10.70	106	601252	48.741	ug/l	100
70) Styrene	10.71	104	975964	48.918	ug/l	99
71) Bromoform	10.86	173	315520	45.893	ug/l #	100
73) Isopropylbenzene	11.02	105	1579761	50.913	ug/l	100
74) N-amyl acetate	10.90	43	627479	46.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	484800	48.837	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	461138m	53.173	ug/l	
77) Bromobenzene	11.26	156	430331	49.974	ug/l	100
78) n-propylbenzene	11.36	91	1749347	50.718	ug/l	100
79) 2-Chlorotoluene	11.42	91	1028182	50.154	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1308747	50.693	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	167813	45.409	ug/l	94
82) 4-Chlorotoluene	11.51	91	1182339	49.605	ug/l	100
83) tert-Butylbenzene	11.77	119	1388274	50.399	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1343649	50.403	ug/l	100
85) sec-Butylbenzene	11.94	105	1606269	51.258	ug/l	100
86) p-Isopropyltoluene	12.07	119	1433793	50.812	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	767830	50.112	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	762093	49.004	ug/l	100
89) n-Butylbenzene	12.39	91	1209066	50.217	ug/l	100
90) Hexachloroethane	12.60	117	280103	48.704	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	745374	49.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	116314	45.709	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	548728	49.461	ug/l	100
94) Hexachlorobutadiene	13.78	225	240753	49.070	ug/l	99
95) Naphthalene	13.83	128	1747697	50.643	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	548147	49.884	ug/l	99

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

