

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
 Data File : VX004239.D
 Acq On : 24 Aug 2018 11:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:36 AM

Quant Time: Aug 25 00:37:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	300302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	195212	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	5.50	113	167457	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	8.71	98	623312	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.14	95	233582	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	163307	46.950	ug/l	98
3) Chloromethane	1.32	50	176990	46.063	ug/l	99
4) Vinyl Chloride	1.40	62	177979	45.233	ug/l	99
5) Bromomethane	1.64	94	90346	46.438	ug/l	97
6) Chloroethane	1.71	64	123378	43.877	ug/l	97
7) Trichlorofluoromethane	1.92	101	242195	44.918	ug/l	94
8) Diethyl Ether	2.18	74	118739	51.427	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	151097	44.739	ug/l	99
10) Methyl Iodide	2.51	142	169686	44.993	ug/l	98
11) Tert butyl alcohol	3.07	59	201865	241.948	ug/l	100
12) 1,1-Dichloroethene	2.37	96	145839	45.842	ug/l	98
13) Acrolein	2.29	56	82077	408.046	ug/l	98
14) Allyl chloride	2.72	41	283773	48.550	ug/l	99
15) Acrylonitrile	3.15	53	491449	237.847	ug/l	100
16) Acetone	2.45	43	422532	264.932	ug/l	98
17) Carbon Disulfide	2.56	76	398578	45.191	ug/l	99
18) Methyl Acetate	2.78	43	300155	51.677	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	545690	52.049	ug/l	99
20) Methylene Chloride	2.85	84	180923	48.019	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	166120	47.176	ug/l	95
22) Diisopropyl ether	3.87	45	542566	49.716	ug/l	97
23) Vinyl Acetate	3.82	43	2200974	248.833	ug/l	98
24) 1,1-Dichloroethane	3.69	63	310252	48.781	ug/l	99
25) 2-Butanone	4.70	43	646679	246.534	ug/l	100
26) 2,2-Dichloropropane	4.58	77	244009	48.916	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	196360	49.165	ug/l	98
28) Bromochloromethane	5.01	49	140758	49.989	ug/l	98
29) Tetrahydrofuran	5.15	42	404466	240.516	ug/l	98
30) Chloroform	5.21	83	311662	48.875	ug/l	99
31) Cyclohexane	5.57	56	246313	44.886	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	251771	47.349	ug/l	100
36) 1,1-Dichloropropene	5.79	75	226988	45.407	ug/l	99
37) Ethyl Acetate	4.85	43	236575	48.119	ug/l	99
38) Carbon Tetrachloride	5.78	117	213285	45.355	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	248899	43.609	ug/l	98
40) Benzene	6.14	78	719322	48.156	ug/l	100
41) Methacrylonitrile	5.06	41	138894	48.739	ug/l	99
42) 1,2-Dichloroethane	6.19	62	247705	48.615	ug/l	100
43) Isopropyl Acetate	6.46	43	381995	50.565	ug/l	100
44) Trichloroethene	7.21	130	194051	46.932	ug/l	99
45) 1,2-Dichloropropane	7.51	63	185482	49.614	ug/l	100
46) Dibromomethane	7.66	93	122160	49.075	ug/l	99
47) Bromodichloromethane	7.90	83	234607	50.651	ug/l	100
48) Methyl methacrylate	7.77	41	202336	50.055	ug/l	99
49) 1,4-Dioxane	7.76	88	89367	973.729	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1277116	232.669	ug/l	99
52) Toluene	8.79	92	459979	49.194	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	270419	52.859	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	294116	52.780	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	187848	49.767	ug/l	98
56) Ethyl methacrylate	9.18	69	279761	54.447	ug/l	99
57) 1,3-Dichloropropane	9.37	76	315381	49.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	743452	282.384	ug/l	99
59) 2-Hexanone	9.49	43	981392	234.358	ug/l	99
60) Dibromochloromethane	9.59	129	192034	52.219	ug/l	99
61) 1,2-Dibromoethane	9.67	107	197087	50.456	ug/l	99
64) Tetrachloroethene	9.34	164	180843	43.210	ug/l	98
65) Chlorobenzene	10.14	112	498734	46.905	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	175009	47.721	ug/l	98
67) Ethyl Benzene	10.25	91	825782	47.821	ug/l	93
68) m/p-Xylenes	10.36	106	638469	94.558	ug/l	95
69) o-Xylene	10.70	106	315639	49.419	ug/l	100
70) Styrene	10.71	104	519729	50.256	ug/l	98
71) Bromoform	10.86	173	139594	47.220	ug/l	99
73) Isopropylbenzene	11.02	105	832802	47.933	ug/l	100
74) N-amyl acetate	10.90	43	328942	49.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	288242	47.407	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	261685m	48.639	ug/l	
77) Bromobenzene	11.26	156	238749	48.987	ug/l	99
78) n-propylbenzene	11.36	91	990147	49.550	ug/l	100
79) 2-Chlorotoluene	11.42	91	607875	49.422	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	719504	50.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	86027	51.880	ug/l	97
82) 4-Chlorotoluene	11.51	91	698493	48.261	ug/l	100
83) tert-Butylbenzene	11.77	119	704958	48.697	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	764632	51.771	ug/l	100
85) sec-Butylbenzene	11.94	105	821818	47.816	ug/l	100
86) p-Isopropyltoluene	12.07	119	766168	49.742	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	447345	48.751	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	459888	47.534	ug/l	100
89) n-Butylbenzene	12.39	91	639892	51.090	ug/l	99
90) Hexachloroethane	12.60	117	106473	49.457	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	452226	53.922	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51391	47.988	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	278868	45.701	ug/l	97
94) Hexachlorobutadiene	13.79	225	121026	42.613	ug/l	97
95) Naphthalene	13.83	128	878028	50.874	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	301396	46.658	ug/l	99

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

