

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004214.D
 Acq On : 23 Aug 2018 09:13
 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
 8/24/2018 11:34:56 AM

Quant Time: Aug 24 05:15:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 14:20:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	380562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	538924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	509249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	303613	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	217710	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	
35) Dibromofluoromethane	5.49	113	189671	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	8.71	98	716834	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.13	95	263808	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	222863	50.56	ug/l	98
3) Chloromethane	1.32	50	216586	44.49	ug/l	100
4) Vinyl Chloride	1.40	62	233089	46.75	ug/l	99
5) Bromomethane	1.64	94	118085	47.96	ug/l	100
6) Chloroethane	1.72	64	149581	45.83	ug/l	97
7) Trichlorofluoromethane	1.93	101	321752	47.09	ug/l	99
8) Diethyl Ether	2.19	74	137314	46.93	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	200655	46.88	ug/l	99
10) Methyl Iodide	2.51	142	213585	44.72	ug/l	100
11) Tert butyl alcohol	3.06	59	227611	215.27	ug/l	99
12) 1,1-Dichloroethene	2.37	96	186526	46.27	ug/l	97
13) Acrolein	2.29	56	50808	199.32	ug/l	100
14) Allyl chloride	2.73	41	337221	45.53	ug/l	95
15) Acrylonitrile	3.15	53	548859	209.61	ug/l	100
16) Acetone	2.44	43	473334	233.23	ug/l	99
17) Carbon Disulfide	2.57	76	525434	46.98	ug/l	99
18) Methyl Acetate	2.78	43	324710	44.11	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	629779	47.40	ug/l	100
20) Methylene Chloride	2.85	84	210320	44.05	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	203690	45.65	ug/l	97
22) Diisopropyl ether	3.87	45	646256	46.73	ug/l	99
23) Vinyl Acetate	3.82	43	2638193	235.36	ug/l	99
24) 1,1-Dichloroethane	3.70	63	368716	45.75	ug/l	99
25) 2-Butanone	4.70	43	733090	220.23	ug/l	97
26) 2,2-Dichloropropane	4.58	77	308077	48.73	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	233826	46.20	ug/l	96
28) Bromochloromethane	5.01	49	161567	45.28	ug/l	97
29) Tetrahydrofuran	5.15	42	456492	214.20	ug/l	99
30) Chloroform	5.21	83	371288	45.95	ug/l	99
31) Cyclohexane	5.57	56	335252	48.21	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	320818	47.61	ug/l	100
36) 1,1-Dichloropropene	5.79	75	291845	48.17	ug/l	99
37) Ethyl Acetate	4.85	43	270504	45.40	ug/l	100
38) Carbon Tetrachloride	5.78	117	279670	49.07	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	350494	50.67	ug/l	98
40) Benzene	6.14	78	861321	47.58	ug/l	99
41) Methacrylonitrile	5.06	41	160060	46.34	ug/l	99
42) 1,2-Dichloroethane	6.20	62	289648	46.90	ug/l	100
43) Isopropyl Acetate	6.46	43	441035	48.17	ug/l	99
44) Trichloroethene	7.21	130	237119	47.32	ug/l	92
45) 1,2-Dichloropropane	7.51	63	216483	47.78	ug/l	99
46) Dibromomethane	7.66	93	140878	46.70	ug/l	99
47) Bromodichloromethane	7.90	83	276351	49.23	ug/l	96
48) Methyl methacrylate	7.77	41	237125	48.40	ug/l	98
49) 1,4-Dioxane	7.75	88	103282	928.51	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1452538	218.34	ug/l	99
52) Toluene	8.79	92	557902	49.23	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	318430	51.36	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	349461	51.74	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	216595	47.35	ug/l	99
56) Ethyl methacrylate	9.18	69	324970	52.18	ug/l	100
57) 1,3-Dichloropropane	9.37	76	368054	47.73	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	821215	257.36	ug/l	100
59) 2-Hexanone	9.49	43	1115142	219.72	ug/l	100
60) Dibromochloromethane	9.59	129	224823	50.44	ug/l	100
61) 1,2-Dibromoethane	9.67	107	228135	48.19	ug/l	99
64) Tetrachloroethene	9.34	164	226359	45.00	ug/l	98
65) Chlorobenzene	10.14	112	620649	48.56	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	216581	49.13	ug/l	98
67) Ethyl Benzene	10.25	91	1064458	51.28	ug/l	99
68) m/p-Xylenes	10.36	106	821239	101.19	ug/l	98
69) o-Xylene	10.70	106	379170	49.39	ug/l	96
70) Styrene	10.71	104	632927	50.92	ug/l	98
71) Bromoform	10.85	173	166991	46.99	ug/l	98
73) Isopropylbenzene	11.02	105	1014311	50.87	ug/l	97
74) N-amyl acetate	10.90	43	391173	50.95	ug/l	# 89
75) 1,1,2,2-Tetrachloroethane	11.27	83	312210	44.74	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	289871m	48.64	ug/l	
77) Bromobenzene	11.26	156	273305	48.86	ug/l	99
78) n-propylbenzene	11.36	91	1177102	51.32	ug/l	99
79) 2-Chlorotoluene	11.42	91	680054	48.17	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	844636	51.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	98379	51.69	ug/l	98
82) 4-Chlorotoluene	11.51	91	806236	48.54	ug/l	99
83) tert-Butylbenzene	11.77	119	867157	52.19	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	904683	53.37	ug/l	100
85) sec-Butylbenzene	11.94	105	1028621	52.15	ug/l	97
86) p-Isopropyltoluene	12.07	119	955806	54.07	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	509766	48.40	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	526718	47.56	ug/l	100
89) n-Butylbenzene	12.39	91	857486	59.65	ug/l	99
90) Hexachloroethane	12.60	117	139977	56.65	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	517026	53.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61524	50.06	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	363288	51.87	ug/l	98
94) Hexachlorobutadiene	13.79	225	170498	52.34	ug/l	99
95) Naphthalene	13.83	128	1080673	54.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	378943	51.11	ug/l	99

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

