

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004164.D
 Acq On : 20 Aug 2018 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:59 AM

Quant Time: Aug 21 02:15:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	306151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262446	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	205121	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	5.51	113	168077	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	666000	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	244727	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	134466	45.12	ug/l	99
3) Chloromethane	1.32	50	172839	47.26	ug/l	100
4) Vinyl Chloride	1.40	62	182279	46.07	ug/l	100
5) Bromomethane	1.64	94	91116	45.42	ug/l	97
6) Chloroethane	1.72	64	125209	48.04	ug/l	98
7) Trichlorofluoromethane	1.92	101	251604	45.33	ug/l	97
8) Diethyl Ether	2.19	74	114012	47.05	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	157625	45.52	ug/l	99
10) Methyl Iodide	2.51	142	154129	42.51	ug/l	99
11) Tert butyl alcohol	3.08	59	207658	239.06	ug/l	100
12) 1,1-Dichloroethene	2.37	96	149427	46.40	ug/l	98
13) Acrolein	2.29	56	147545	250.34	ug/l	98
14) Allyl chloride	2.72	41	286438	46.74	ug/l	99
15) Acrylonitrile	3.15	53	507953	234.54	ug/l	98
16) Acetone	2.45	43	517794	230.88	ug/l	100
17) Carbon Disulfide	2.56	76	394209	43.15	ug/l	99
18) Methyl Acetate	2.78	43	264368	53.05	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	537122	47.34	ug/l	100
20) Methylene Chloride	2.86	84	178122	48.58	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	164290	44.92	ug/l	92
22) Diisopropyl ether	3.87	45	558099	46.48	ug/l	98
23) Vinyl Acetate	3.82	43	2272787	230.44	ug/l	98
24) 1,1-Dichloroethane	3.69	63	309086	45.44	ug/l	99
25) 2-Butanone	4.70	43	831098	227.76	ug/l	100
26) 2,2-Dichloropropane	4.58	77	218835	40.47	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	192165	46.72	ug/l	95
28) Bromochloromethane	5.01	49	153091	49.06	ug/l	100
29) Tetrahydrofuran	5.16	42	424405	227.65	ug/l	99
30) Chloroform	5.21	83	309859	46.68	ug/l	94
31) Cyclohexane	5.57	56	270452	45.36	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	264948	47.76	ug/l	99
36) 1,1-Dichloropropene	5.79	75	238242	46.18	ug/l	99
37) Ethyl Acetate	4.85	43	248295	44.20	ug/l	99
38) Carbon Tetrachloride	5.78	117	236220	47.13	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280426	47.92	ug/l	99
40) Benzene	6.14	78	740621	47.81	ug/l	99
41) Methacrylonitrile	5.06	41	141654	45.02	ug/l	99
42) 1,2-Dichloroethane	6.20	62	254759	46.98	ug/l	100
43) Isopropyl Acetate	6.46	43	394428	47.63	ug/l	100
44) Trichloroethene	7.21	130	197710	47.01	ug/l	93
45) 1,2-Dichloropropane	7.52	63	191868	48.38	ug/l	99
46) Dibromomethane	7.67	93	125135	48.29	ug/l	100
47) Bromodichloromethane	7.90	83	242601	49.43	ug/l	99
48) Methyl methacrylate	7.78	41	209947	50.37	ug/l	99
49) 1,4-Dioxane	7.76	88	95143	1013.79	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1699364	250.29	ug/l	99
52) Toluene	8.79	92	479404	48.93	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	270439	51.00	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	293751	50.03	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	194401	48.05	ug/l	98
56) Ethyl methacrylate	9.18	69	288769	52.49	ug/l	99
57) 1,3-Dichloropropane	9.37	76	329032	49.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	724363	258.57	ug/l	100
59) 2-Hexanone	9.50	43	1304373	255.26	ug/l	100
60) Dibromochloromethane	9.59	129	196869	50.57	ug/l	99
61) 1,2-Dibromoethane	9.67	107	202722	49.15	ug/l	100
64) Tetrachloroethene	9.34	164	183434	44.08	ug/l	94
65) Chlorobenzene	10.14	112	531179	46.83	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	189857	49.08	ug/l	98
67) Ethyl Benzene	10.25	91	882804	49.15	ug/l	96
68) m/p-Xylenes	10.36	106	698589	99.33	ug/l	98
69) o-Xylene	10.70	106	331486	49.32	ug/l	98
70) Styrene	10.71	104	569292	50.33	ug/l	97
71) Bromoform	10.86	173	145819	47.54	ug/l #	100
73) Isopropylbenzene	11.02	105	926656	52.18	ug/l	97
74) N-amyl acetate	6.46	43	394428	47.22	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	310737	50.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	274300m	52.12	ug/l	
77) Bromobenzene	11.26	156	245415	50.13	ug/l	99
78) n-propylbenzene	11.36	91	1058540	53.26	ug/l	100
79) 2-Chlorotoluene	11.42	91	625704	51.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	735967	50.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83809	49.29	ug/l	99
82) 4-Chlorotoluene	11.51	91	725806	50.69	ug/l	98
83) tert-Butylbenzene	11.77	119	765246	52.19	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	793295	52.67	ug/l	100
85) sec-Butylbenzene	11.94	105	904544	52.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	814837	52.45	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	460801	49.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	454780	47.32	ug/l	99
89) n-Butylbenzene	12.39	91	634608	51.84	ug/l	98
90) Hexachloroethane	12.60	117	114149	49.11	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	425061	50.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53409	49.00	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	316690	55.01	ug/l	98
94) Hexachlorobutadiene	13.78	225	141397	49.00	ug/l	99
95) Naphthalene	13.83	128	954497	51.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	338114	53.86	ug/l	99

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

