

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004337.D
 Acq On : 31 Aug 2018 20:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:11:05 PM

Quant Time: Sep 01 05:28:19 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	300314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438296	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	256815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	190653	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	5.50	113	165394	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	8.71	98	619175	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.14	95	235670	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	161653	46.47	ug/l	98
3) Chloromethane	1.32	50	178706	46.50	ug/l	99
4) Vinyl Chloride	1.40	62	188195	47.83	ug/l	100
5) Bromomethane	1.64	94	86181	44.20	ug/l	96
6) Chloroethane	1.72	64	123634	43.98	ug/l	97
7) Trichlorofluoromethane	1.92	101	254533	47.20	ug/l	97
8) Diethyl Ether	2.18	74	115443	50.00	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	161974	47.96	ug/l	98
10) Methyl Iodide	2.51	142	182683	48.11	ug/l	98
11) Tert butyl alcohol	3.07	59	208849	250.31	ug/l	99
12) 1,1-Dichloroethene	2.37	96	149949	47.13	ug/l	99
13) Acrolein	2.29	56	152250	756.88	ug/l	99
14) Allyl chloride	2.72	41	293236	50.17	ug/l	98
15) Acrylonitrile	3.15	53	514656	249.07	ug/l	100
16) Acetone	2.45	43	412389	258.36	ug/l	99
17) Carbon Disulfide	2.56	76	379985	43.12	ug/l	100
18) Methyl Acetate	2.78	43	361278	62.20	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	533088	50.85	ug/l	97
20) Methylene Chloride	2.86	84	177856	47.20	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	161892	45.97	ug/l	97
22) Diisopropyl ether	3.87	45	556101	50.95	ug/l	95
23) Vinyl Acetate	3.82	43	2151856	243.27	ug/l	99
24) 1,1-Dichloroethane	3.69	63	318640	50.10	ug/l	99
25) 2-Butanone	4.70	43	679688	259.25	ug/l	99
26) 2,2-Dichloropropane	4.58	77	228730	45.85	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	196543	49.21	ug/l	99
28) Bromochloromethane	5.02	49	147322	52.32	ug/l	99
29) Tetrahydrofuran	5.15	42	435366	258.88	ug/l	99
30) Chloroform	5.21	83	315715	49.51	ug/l	100
31) Cyclohexane	5.57	56	266312	48.53	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	265282	49.89	ug/l	99
36) 1,1-Dichloropropene	5.79	75	232658	47.22	ug/l	99
37) Ethyl Acetate	4.85	43	240452	49.62	ug/l	100
38) Carbon Tetrachloride	5.78	117	228127	49.22	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	277344	49.30	ug/l	99
40) Benzene	6.14	78	731259	49.67	ug/l	99
41) Methacrylonitrile	5.06	41	146365	52.11	ug/l	99
42) 1,2-Dichloroethane	6.20	62	245462	48.87	ug/l	99
43) Isopropyl Acetate	6.46	43	384802	51.68	ug/l	100
44) Trichloroethene	7.21	130	195201	47.90	ug/l	99
45) 1,2-Dichloropropane	7.51	63	191212	51.89	ug/l	100
46) Dibromomethane	7.67	93	119292	48.62	ug/l	98
47) Bromodichloromethane	7.90	83	234414	51.34	ug/l	100
48) Methyl methacrylate	7.77	41	208743	52.39	ug/l	99
49) 1,4-Dioxane	7.76	88	94908	1049.12	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1334054	246.57	ug/l	100
52) Toluene	8.79	92	461880	50.11	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	260084	51.58	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	286330	52.13	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	190579	51.22	ug/l	97
56) Ethyl methacrylate	9.18	69	276926	54.68	ug/l	99
57) 1,3-Dichloropropane	9.37	76	318984	50.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	720469	277.63	ug/l	100
59) 2-Hexanone	9.50	43	1017383	246.48	ug/l	100
60) Dibromochloromethane	9.59	129	187606	51.76	ug/l	100
61) 1,2-Dibromoethane	9.67	107	193565	50.27	ug/l	100
64) Tetrachloroethene	9.34	164	200407	50.85	ug/l	99
65) Chlorobenzene	10.14	112	508158	50.75	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	185334	53.67	ug/l	99
67) Ethyl Benzene	10.25	91	868689	53.42	ug/l	98
68) m/p-Xylenes	10.36	106	653574	102.79	ug/l	94
69) o-Xylene	10.70	106	328039	54.54	ug/l	100
70) Styrene	10.71	104	549815	56.46	ug/l	99
71) Bromoform	10.86	173	145110	52.13	ug/l	99
73) Isopropylbenzene	11.02	105	901515	53.45	ug/l	100
74) N-amyl acetate	10.90	43	343630	52.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	288776	48.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	265316m	50.80	ug/l	
77) Bromobenzene	11.26	156	233438	49.34	ug/l	96
78) n-propylbenzene	11.36	91	1034693	53.34	ug/l	100
79) 2-Chlorotoluene	11.42	91	607908	50.91	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	739470	52.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	82886	51.49	ug/l	97
82) 4-Chlorotoluene	11.51	91	714872	50.88	ug/l	100
83) tert-Butylbenzene	11.77	119	758339	53.96	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	776232	54.14	ug/l	100
85) sec-Butylbenzene	11.94	105	924964	55.44	ug/l	100
86) p-Isopropyltoluene	12.07	119	830914	55.57	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	442707	49.70	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	444150	47.29	ug/l	99
89) n-Butylbenzene	12.39	91	711439	58.51	ug/l	99
90) Hexachloroethane	12.60	117	114495	54.78	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	447232	54.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51957	49.97	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	320789	54.15	ug/l	98
94) Hexachlorobutadiene	13.79	225	160050	58.10	ug/l	96
95) Naphthalene	13.83	128	981055	58.55	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	335073	53.43	ug/l	99

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

