

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002891.D
 Acq On : 26 Jun 2018 11:12
 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
 6/28/2018 3:12:05 PM

Quant Time: Jun 27 03:08:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	405797	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	390333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	254452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	201226	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	5.50	113	160243	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.72	98	596018	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.14	95	233190	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	137576	51.15	ug/l	98
3) Chloromethane	1.32	50	134207	48.01	ug/l	98
4) Vinyl Chloride	1.41	62	155970	45.78	ug/l	90
5) Bromomethane	1.64	94	116711	74.73	ug/l	99
6) Chloroethane	1.72	64	99345	49.69	ug/l	99
7) Trichlorofluoromethane	1.93	101	291185	50.67	ug/l	98
8) Diethyl Ether	2.19	74	101712	48.68	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	166216	49.91	ug/l	100
10) Methyl Iodide	2.51	142	84454	28.12	ug/l	99
11) Tert butyl alcohol	3.06	59	193838	233.68	ug/l	99
12) 1,1-Dichloroethene	2.37	96	144536	48.65	ug/l	100
13) Acrolein	2.29	56	88951	194.38	ug/l	100
14) Allyl chloride	2.73	41	290778	49.65	ug/l	99
15) Acrylonitrile	3.15	53	426154	240.52	ug/l	100
16) Acetone	2.45	43	497877	288.72	ug/l	98
17) Carbon Disulfide	2.57	76	391991	49.52	ug/l	99
18) Methyl Acetate	2.78	43	249280	51.70	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	531186	49.73	ug/l	100
20) Methylene Chloride	2.86	84	159945	47.66	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	155445	48.04	ug/l	97
22) Diisopropyl ether	3.87	45	565008	50.47	ug/l	98
23) Vinyl Acetate	3.82	43	2395609	252.71	ug/l	99
24) 1,1-Dichloroethane	3.70	63	303697	49.91	ug/l	99
25) 2-Butanone	4.70	43	667566	260.84	ug/l	99
26) 2,2-Dichloropropane	4.59	77	261708	52.89	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	177722	48.98	ug/l	96
28) Bromochloromethane	5.02	49	151627	52.06	ug/l	94
29) Tetrahydrofuran	5.16	42	405858	247.30	ug/l	98
30) Chloroform	5.21	83	315578	50.54	ug/l	97
31) Cyclohexane	5.57	56	266378	51.01	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	283501	51.60	ug/l	99
36) 1,1-Dichloropropene	5.80	75	229534	51.58	ug/l	99
37) Ethyl Acetate	4.86	43	245754	51.29	ug/l	99
38) Carbon Tetrachloride	5.79	117	260804	53.41	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280617	54.14	ug/l	97
40) Benzene	6.14	78	666260	51.53	ug/l	99
41) Methacrylonitrile	5.06	41	141803	51.39	ug/l	99
42) 1,2-Dichloroethane	6.20	62	261604	50.09	ug/l	100
43) Isopropyl Acetate	6.46	43	414725	51.61	ug/l	99
44) Trichloroethene	7.21	130	198205	51.42	ug/l	97
45) 1,2-Dichloropropane	7.52	63	179439	52.32	ug/l	98
46) Dibromomethane	7.67	93	121829	51.18	ug/l	98
47) Bromodichloromethane	7.90	83	243492	55.33	ug/l	97
48) Methyl methacrylate	7.78	41	217282	52.48	ug/l	98
49) 1,4-Dioxane	7.76	88	79755	990.05	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1330664	264.67	ug/l	98
52) Toluene	8.79	92	437175	52.78	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	279455	56.08	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	264199	55.10	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	178659	52.49	ug/l	97
56) Ethyl methacrylate	9.18	69	266376	53.55	ug/l	99
57) 1,3-Dichloropropane	9.37	76	291903	52.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	602635	251.11	ug/l	99
59) 2-Hexanone	9.50	43	1038658	271.82	ug/l	97
60) Dibromochloromethane	9.59	129	202351	56.47	ug/l	100
61) 1,2-Dibromoethane	9.68	107	190495	53.36	ug/l	99
64) Tetrachloroethene	9.34	164	220755	50.86	ug/l	98
65) Chlorobenzene	10.14	112	511379	51.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	192574	53.47	ug/l	100
67) Ethyl Benzene	10.26	91	877057	53.55	ug/l	99
68) m/p-Xylenes	10.36	106	685297	108.57	ug/l	100
69) o-Xylene	10.70	106	331283	53.90	ug/l	99
70) Styrene	10.71	104	544656	54.54	ug/l	99
71) Bromoform	10.86	173	161153	49.56	ug/l #	99
73) Isopropylbenzene	11.02	105	915749	53.50	ug/l	100
74) N-amyl acetate	6.46	43	414725	49.52	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	269196	51.05	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	273276m	59.29	ug/l	
77) Bromobenzene	11.26	156	248250	50.93	ug/l	98
78) n-propylbenzene	11.37	91	1065020	54.66	ug/l	99
79) 2-Chlorotoluene	11.43	91	616637	52.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	782176	54.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	77202	48.69	ug/l	98
82) 4-Chlorotoluene	11.51	91	746507	53.45	ug/l	100
83) tert-Butylbenzene	11.77	119	779426	54.86	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	805344	53.91	ug/l	99
85) sec-Butylbenzene	11.95	105	945567	54.86	ug/l	100
86) p-Isopropyltoluene	12.07	119	861200	55.57	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	466723	52.42	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	473754	51.71	ug/l	99
89) n-Butylbenzene	12.39	91	769607	57.06	ug/l	99
90) Hexachloroethane	12.60	117	126620	54.93	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	464867	51.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	62328	52.58	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	360171	55.07	ug/l	100
94) Hexachlorobutadiene	13.79	225	181860	55.75	ug/l	100
95) Naphthalene	13.84	128	950254	54.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	354036	54.20	ug/l	99

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

