

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004575.D
 Acq On : 15 Sep 2018 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:32 PM

Quant Time: Sep 17 01:38:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	263483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	169869	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	5.50	113	157161	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	8.72	98	508636	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	184588	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121905	49.37	ug/l	100
3) Chloromethane	1.32	50	159798	47.02	ug/l	97
4) Vinyl Chloride	1.40	62	165084	47.33	ug/l	94
5) Bromomethane	1.64	94	73302	50.20	ug/l	96
6) Chloroethane	1.72	64	111946	49.63	ug/l	96
7) Trichlorofluoromethane	1.92	101	218658	47.29	ug/l	95
8) Diethyl Ether	2.19	74	102851	49.62	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	136328	46.48	ug/l	100
10) Methyl Iodide	2.51	142	139194	40.57	ug/l	97
11) Tert butyl alcohol	3.07	59	189492	233.75	ug/l	99
12) 1,1-Dichloroethene	2.37	96	134862	48.99	ug/l	87
13) Acrolein	2.29	56	80166	250.52	ug/l	98
14) Allyl chloride	2.72	41	256232	45.27	ug/l	94
15) Acrylonitrile	3.15	53	466629	239.03	ug/l	97
16) Acetone	2.45	43	358408	216.15	ug/l	97
17) Carbon Disulfide	2.57	76	376497	47.31	ug/l	99
18) Methyl Acetate	2.78	43	223843	48.12	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	481530	49.85	ug/l	99
20) Methylene Chloride	2.85	84	157466	46.29	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	145398	47.79	ug/l	97
22) Diisopropyl ether	3.87	45	502290	49.27	ug/l	97
23) Vinyl Acetate	3.82	43	2031585	246.27	ug/l	99
24) 1,1-Dichloroethane	3.69	63	278612	48.41	ug/l	97
25) 2-Butanone	4.70	43	583331	221.04	ug/l	98
26) 2,2-Dichloropropane	4.59	77	122747	31.05	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	170779	50.29	ug/l	97
28) Bromochloromethane	5.03	49	132629	50.38	ug/l	97
29) Tetrahydrofuran	5.16	42	393326	247.14	ug/l	96
30) Chloroform	5.21	83	272173	48.44	ug/l	91
31) Cyclohexane	5.57	56	246446	50.15	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	225754	49.88	ug/l	99
36) 1,1-Dichloropropene	5.80	75	205051	49.67	ug/l	98
37) Ethyl Acetate	4.86	43	214406	45.66	ug/l	98
38) Carbon Tetrachloride	5.78	117	199664	49.52	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210030	48.75	ug/l	98
40) Benzene	6.14	78	624428	50.98	ug/l	95
41) Methacrylonitrile	5.06	41	125484	48.51	ug/l	98
42) 1,2-Dichloroethane	6.20	62	200897	49.45	ug/l	99
43) Isopropyl Acetate	6.46	43	323852	51.93	ug/l	99
44) Trichloroethene	7.21	130	153860	48.35	ug/l	97
45) 1,2-Dichloropropane	7.52	63	147489	50.04	ug/l	99
46) Dibromomethane	7.66	93	90480	48.59	ug/l	98
47) Bromodichloromethane	7.90	83	175647	49.88	ug/l	100
48) Methyl methacrylate	7.77	41	155728	50.46	ug/l	97
49) 1,4-Dioxane	7.76	88	72225	988.73	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	989683	224.88	ug/l	99
52) Toluene	8.79	92	342751	47.49	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	206360	50.17	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	202801	48.36	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	162771	52.38	ug/l	96
56) Ethyl methacrylate	9.18	69	250710	57.03	ug/l	97
57) 1,3-Dichloropropane	9.37	76	259887	51.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	541684	242.09	ug/l	96
59) 2-Hexanone	9.50	43	764613	226.50	ug/l	100
60) Dibromochloromethane	9.59	129	144173	49.28	ug/l	97
61) 1,2-Dibromoethane	9.68	107	143962	48.50	ug/l	99
64) Tetrachloroethene	9.34	164	194178	49.92	ug/l	92
65) Chlorobenzene	10.14	112	385937	49.87	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	139087	52.12	ug/l	99
67) Ethyl Benzene	10.26	91	656051	52.14	ug/l	99
68) m/p-Xylenes	10.36	106	507962	104.80	ug/l	98
69) o-Xylene	10.70	106	248129	53.25	ug/l	99
70) Styrene	10.71	104	419021	54.28	ug/l	99
71) Bromoform	10.86	173	114044	52.05	ug/l	# 100
73) Isopropylbenzene	11.02	105	664174	46.95	ug/l	100
74) N-amyl acetate	10.90	43	275246	46.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	203665	44.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	187373m	43.36	ug/l	
77) Bromobenzene	11.26	156	177049	45.28	ug/l	99
78) n-propylbenzene	11.36	91	755994	46.48	ug/l	99
79) 2-Chlorotoluene	11.42	91	451801	45.80	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	617786	51.95	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	52650	38.84	ug/l	93
82) 4-Chlorotoluene	11.51	91	596978	51.85	ug/l	98
83) tert-Butylbenzene	11.77	119	643714	56.86	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	689345	56.78	ug/l	99
85) sec-Butylbenzene	11.95	105	761304	52.77	ug/l	100
86) p-Isopropyltoluene	12.07	119	662546	52.01	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	365906	50.16	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	347010	46.04	ug/l	97
89) n-Butylbenzene	12.39	91	571379	49.22	ug/l	98
90) Hexachloroethane	12.60	117	100928	49.49	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	386421	52.34	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54381	55.82	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	285095	54.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	133826	49.01	ug/l	95
95) Naphthalene	13.83	128	876106	59.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	289566	53.91	ug/l	99

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

