

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004621.D
 Acq On : 17 Sep 2018 15:47
 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
 9/18/2018 4:03:00 PM

Quant Time: Sep 18 01:06:20 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	5.67	168	280913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	140178	38.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.40%	
35) Dibromofluoromethane	5.50	113	127375	40.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.60%	
50) Toluene-d8	8.71	98	418384	39.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.94%	
62) 4-Bromofluorobenzene	11.14	95	155331	41.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125712	47.75	ug/l	100
3) Chloromethane	1.32	50	156679	43.24	ug/l	98
4) Vinyl Chloride	1.40	62	176909	47.57	ug/l	96
5) Bromomethane	1.64	94	77546	49.80	ug/l	99
6) Chloroethane	1.71	64	108562	45.14	ug/l	95
7) Trichlorofluoromethane	1.92	101	228388	46.33	ug/l	86
8) Diethyl Ether	2.19	74	103087	46.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	144632	46.25	ug/l	95
10) Methyl Iodide	2.51	142	149824	40.92	ug/l	98
11) Tert butyl alcohol	3.06	59	182861	211.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	135296	46.09	ug/l	98
13) Acrolein	2.29	56	81953	240.21	ug/l	98
14) Allyl chloride	2.72	41	284898	47.21	ug/l	94
15) Acrylonitrile	3.15	53	487476	234.22	ug/l	95
16) Acetone	2.44	43	431805	244.25	ug/l	93
17) Carbon Disulfide	2.57	76	418291	49.30	ug/l	100
18) Methyl Acetate	2.78	43	218322	44.02	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	469219	45.56	ug/l	95
20) Methylene Chloride	2.85	84	162126	44.70	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	164814	50.81	ug/l	87
22) Diisopropyl ether	3.86	45	533900	49.12	ug/l	97
23) Vinyl Acetate	3.82	43	2182192	248.11	ug/l	97
24) 1,1-Dichloroethane	3.69	63	305244	49.75	ug/l	97
25) 2-Butanone	4.70	43	586223	208.35	ug/l	99
26) 2,2-Dichloropropane	4.58	77	231470	54.92	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	179626	49.61	ug/l	98
28) Bromochloromethane	5.01	49	108136	38.53	ug/l	98
29) Tetrahydrofuran	5.15	42	382141	225.22	ug/l	97
30) Chloroform	5.21	83	282693	47.19	ug/l	99
31) Cyclohexane	5.57	56	263439	50.28	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	234477	48.60	ug/l	98
36) 1,1-Dichloropropene	5.79	75	220397	53.22	ug/l	98
37) Ethyl Acetate	4.85	43	218116	46.31	ug/l	99
38) Carbon Tetrachloride	5.77	117	209349	51.75	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	253721	58.71	ug/l	87
40) Benzene	6.14	78	671032	54.61	ug/l	95
41) Methacrylonitrile	5.05	41	125381	48.31	ug/l	99
42) 1,2-Dichloroethane	6.20	62	198015	48.59	ug/l	100
43) Isopropyl Acetate	6.46	43	347733	55.58	ug/l	98
44) Trichloroethene	7.21	130	172610	54.07	ug/l	92
45) 1,2-Dichloropropane	7.51	63	149314	50.50	ug/l	98
46) Dibromomethane	7.66	93	94158	50.41	ug/l	99
47) Bromodichloromethane	7.90	83	182766	51.74	ug/l	93
48) Methyl methacrylate	7.77	41	151881	49.05	ug/l	98
49) 1,4-Dioxane	7.75	88	70982	968.64	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	964577	218.48	ug/l	99
52) Toluene	8.79	92	355876	49.16	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	206524	50.05	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	227641	54.12	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	142810	45.81	ug/l	97
56) Ethyl methacrylate	9.18	69	212052	48.09	ug/l	98
57) 1,3-Dichloropropane	9.37	76	236549	46.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	495972	221.60	ug/l	97
59) 2-Hexanone	9.49	43	753072	222.38	ug/l	98
60) Dibromochloromethane	9.59	129	150733	51.36	ug/l	100
61) 1,2-Dibromoethane	9.67	107	148285	49.80	ug/l	99
64) Tetrachloroethene	9.34	164	180824	47.90	ug/l	99
65) Chlorobenzene	10.14	112	404805	53.90	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	143579	55.44	ug/l	100
67) Ethyl Benzene	10.25	91	686351	56.20	ug/l	98
68) m/p-Xylenes	10.36	106	545034	115.87	ug/l	99
69) o-Xylene	10.70	106	260071	57.51	ug/l	100
70) Styrene	10.71	104	440697	58.82	ug/l	100
71) Bromoform	10.86	173	121087	56.94	ug/l	100
73) Isopropylbenzene	11.02	105	706304	55.93	ug/l	100
74) N-amyl acetate	10.90	43	273688	51.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	205147	50.36	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	197969m	51.31	ug/l	
77) Bromobenzene	11.26	156	189381	54.25	ug/l	99
78) n-propylbenzene	11.36	91	824358	56.77	ug/l	100
79) 2-Chlorotoluene	11.42	91	473680	53.78	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	604211	56.91	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	69188	57.16	ug/l	92
82) 4-Chlorotoluene	11.51	91	560473	54.53	ug/l	98
83) tert-Butylbenzene	11.77	119	586192	57.99	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	620756	57.27	ug/l	99
85) sec-Butylbenzene	11.94	105	742583	57.65	ug/l	99
86) p-Isopropyltoluene	12.07	119	674472	59.30	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	357094	54.83	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	360932	53.63	ug/l	100
89) n-Butylbenzene	12.39	91	608123	58.67	ug/l	98
90) Hexachloroethane	12.60	117	102852	56.48	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	355316	53.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45476	52.28	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	277645	59.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	144439	59.24	ug/l	96
95) Naphthalene	13.83	128	755281	57.69	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	275106	57.37	ug/l	99

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

