

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004693.D
 Acq On : 19 Sep 2018 07:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 6:56:58 PM

Quant Time: Sep 19 12:45:11 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	258546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222942	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	155846	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.50	113	143917	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	8.71	98	466649	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
62) 4-Bromofluorobenzene	11.14	95	174836	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123185	50.84	ug/l	96
3) Chloromethane	1.32	50	162879	48.84	ug/l	92
4) Vinyl Chloride	1.40	62	171920	50.23	ug/l	98
5) Bromomethane	1.64	94	71313	49.76	ug/l	97
6) Chloroethane	1.71	64	110129	49.76	ug/l	96
7) Trichlorofluoromethane	1.93	101	227754	50.20	ug/l	97
8) Diethyl Ether	2.18	74	105889	52.06	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145784	50.65	ug/l	97
10) Methyl Iodide	2.51	142	161572	47.22	ug/l	97
11) Tert butyl alcohol	3.07	59	204197	256.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	148720	55.05	ug/l	90
13) Acrolein	2.29	56	61232	195.00	ug/l	98
14) Allyl chloride	2.73	41	272798	49.12	ug/l	92
15) Acrylonitrile	3.15	53	483821	252.57	ug/l	97
16) Acetone	2.45	43	359860	221.17	ug/l	93
17) Carbon Disulfide	2.57	76	358798	45.95	ug/l	97
18) Methyl Acetate	2.78	43	246617	54.02	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	513102	54.13	ug/l	93
20) Methylene Chloride	2.85	84	172455	51.67	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	152514	51.09	ug/l	91
22) Diisopropyl ether	3.87	45	509761	50.96	ug/l	95
23) Vinyl Acetate	3.82	43	2132303	263.41	ug/l	99
24) 1,1-Dichloroethane	3.70	63	299623	53.05	ug/l	98
25) 2-Butanone	4.70	43	607856	234.73	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125560	32.37	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	181743	54.54	ug/l	95
28) Bromochloromethane	5.03	49	122995	47.61	ug/l	99
29) Tetrahydrofuran	5.15	42	406171	260.09	ug/l	98
30) Chloroform	5.21	83	281231	51.01	ug/l	92
31) Cyclohexane	5.57	56	251782	52.21	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	238917	53.80	ug/l	98
36) 1,1-Dichloropropene	5.79	75	212230	52.96	ug/l	99
37) Ethyl Acetate	4.85	43	225850	49.55	ug/l	99
38) Carbon Tetrachloride	5.78	117	198969	50.84	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210541	50.35	ug/l	98
40) Benzene	6.14	78	646813	54.40	ug/l	96
41) Methacrylonitrile	5.06	41	131427	52.34	ug/l	99
42) 1,2-Dichloroethane	6.20	62	204283	51.80	ug/l	100
43) Isopropyl Acetate	6.46	43	314205	51.91	ug/l	98
44) Trichloroethene	7.21	130	164767	53.34	ug/l	96
45) 1,2-Dichloropropane	7.52	63	148213	51.81	ug/l	98
46) Dibromomethane	7.66	93	95583	52.88	ug/l	99
47) Bromodichloromethane	7.90	83	177475	51.92	ug/l	100
48) Methyl methacrylate	7.77	41	156145	52.12	ug/l	97
49) 1,4-Dioxane	7.75	88	75559	1065.63	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	998521	233.74	ug/l	99
52) Toluene	8.79	92	350420	50.02	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	202264	50.66	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	207150	50.90	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	174349	57.80	ug/l	97
56) Ethyl methacrylate	9.18	69	260362	61.02	ug/l	96
57) 1,3-Dichloropropane	9.37	76	288451	58.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	513127	236.43	ug/l	97
59) 2-Hexanone	9.50	43	887940	270.99	ug/l	98
60) Dibromochloromethane	9.59	129	163516	57.58	ug/l	99
61) 1,2-Dibromoethane	9.67	107	159228	55.26	ug/l	92
64) Tetrachloroethene	9.34	164	241744	62.91	ug/l	93
65) Chlorobenzene	10.14	112	398071	52.07	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	142730	54.14	ug/l	100
67) Ethyl Benzene	10.25	91	668173	53.75	ug/l	98
68) m/p-Xylenes	10.36	106	527954	110.25	ug/l	99
69) o-Xylene	10.70	106	257751	55.99	ug/l	100
70) Styrene	10.71	104	436433	57.22	ug/l	99
71) Bromoform	10.86	173	119020	54.98	ug/l	99
73) Isopropylbenzene	11.02	105	685820	46.71	ug/l	100
74) N-amyl acetate	10.90	43	280872	45.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	202962	42.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	197459m	44.02	ug/l	
77) Bromobenzene	11.26	156	185882	45.80	ug/l	99
78) n-propylbenzene	11.36	91	774946	45.90	ug/l	99
79) 2-Chlorotoluene	11.42	91	461400	45.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	602220	48.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	56285	40.00	ug/l	93
82) 4-Chlorotoluene	11.51	91	558634	46.75	ug/l	98
83) tert-Butylbenzene	11.77	119	678009	57.70	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	729120	57.86	ug/l	99
85) sec-Butylbenzene	11.95	105	849139	56.70	ug/l	98
86) p-Isopropyltoluene	12.07	119	797162	60.28	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	418779	55.31	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	427199	54.60	ug/l	99
89) n-Butylbenzene	12.39	91	606753	50.35	ug/l	99
90) Hexachloroethane	12.60	117	114479	54.08	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	385668	50.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55777	55.16	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	324206	59.74	ug/l	98
94) Hexachlorobutadiene	13.79	225	149058	52.59	ug/l	94
95) Naphthalene	13.83	128	953008	62.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	325122	58.32	ug/l	99

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

