

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004091.D
 Acq On : 15 Aug 2018 23:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:39:58 PM

Quant Time: Aug 16 07:11:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	449037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262471	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	216979	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	170329	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.72	98	698138	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	258436	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	146658	51.11	ug/l	100
3) Chloromethane	1.32	50	167798	47.66	ug/l	98
4) Vinyl Chloride	1.40	62	188389	49.45	ug/l	100
5) Bromomethane	1.64	94	104690	54.24	ug/l	100
6) Chloroethane	1.72	64	130727	52.25	ug/l	98
7) Trichlorofluoromethane	1.93	101	264475	49.49	ug/l	99
8) Diethyl Ether	2.18	74	118216	50.67	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	160971	48.28	ug/l	100
10) Methyl Iodide	2.51	142	178875	50.21	ug/l	99
11) Tert butyl alcohol	3.05	59	229346	274.25	ug/l	99
12) 1,1-Dichloroethene	2.37	96	154264	49.75	ug/l	98
13) Acrolein	2.29	56	125928	223.17	ug/l	99
14) Allyl chloride	2.73	41	289696	49.10	ug/l	97
15) Acrylonitrile	3.14	53	552674	265.06	ug/l	99
16) Acetone	2.44	43	562991	260.75	ug/l	100
17) Carbon Disulfide	2.57	76	425519	48.38	ug/l	100
18) Methyl Acetate	2.77	43	259197	54.02	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	553912	50.70	ug/l	100
20) Methylene Chloride	2.86	84	183149	51.92	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	172417	48.96	ug/l	100
22) Diisopropyl ether	3.87	45	578855	50.07	ug/l	97
23) Vinyl Acetate	3.82	43	2485681	261.78	ug/l	100
24) 1,1-Dichloroethane	3.70	63	326350	49.84	ug/l	100
25) 2-Butanone	4.70	43	937858	266.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	183193	35.19	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	196991	49.75	ug/l	98
28) Bromochloromethane	5.02	49	155825	51.87	ug/l	95
29) Tetrahydrofuran	5.15	42	473202	263.64	ug/l	98
30) Chloroform	5.22	83	319187	49.94	ug/l	100
31) Cyclohexane	5.57	56	276405	48.15	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	269889	50.54	ug/l	99
36) 1,1-Dichloropropene	5.80	75	243997	47.75	ug/l	100
37) Ethyl Acetate	4.85	43	282838	50.83	ug/l	100
38) Carbon Tetrachloride	5.79	117	243056	48.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	285214	49.20	ug/l	99
40) Benzene	6.15	78	761610	49.64	ug/l	100
41) Methacrylonitrile	5.06	41	152524	48.94	ug/l	99
42) 1,2-Dichloroethane	6.20	62	265111	49.36	ug/l	99
43) Isopropyl Acetate	6.47	43	422912	51.56	ug/l	100
44) Trichloroethene	7.21	130	202330	48.57	ug/l	94
45) 1,2-Dichloropropane	7.52	63	197007	50.16	ug/l	99
46) Dibromomethane	7.67	93	128382	50.02	ug/l	99
47) Bromodichloromethane	7.90	83	248012	51.02	ug/l	99
48) Methyl methacrylate	7.78	41	225838	54.70	ug/l	99
49) 1,4-Dioxane	7.76	88	100742	1083.76	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1861966	276.87	ug/l	100
52) Toluene	8.79	92	493481	50.86	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	264266	50.32	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	289144	49.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	198086	49.43	ug/l	99
56) Ethyl methacrylate	9.18	69	298898	54.85	ug/l	99
57) 1,3-Dichloropropane	9.37	76	336020	50.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	773165	278.65	ug/l	99
59) 2-Hexanone	9.50	43	1430340	282.60	ug/l	100
60) Dibromochloromethane	9.59	129	199052	51.62	ug/l	100
61) 1,2-Dibromoethane	9.68	107	209745	51.35	ug/l	99
64) Tetrachloroethene	9.34	164	203195	49.38	ug/l	95
65) Chlorobenzene	10.14	112	549193	48.97	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	195346	51.07	ug/l	98
67) Ethyl Benzene	10.26	91	921798	51.91	ug/l	98
68) m/p-Xylenes	10.36	106	733222	105.44	ug/l	97
69) o-Xylene	10.70	106	349596	52.61	ug/l	96
70) Styrene	10.71	104	600415	53.68	ug/l	98
71) Bromoform	10.86	173	155927	51.41	ug/l	100
73) Isopropylbenzene	11.02	105	943954	53.14	ug/l	97
74) N-amyl acetate	6.47	43	422912	50.62	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	317619	51.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	282491m	53.67	ug/l	
77) Bromobenzene	11.26	156	246596	50.36	ug/l	99
78) n-propylbenzene	11.36	91	1078415	54.25	ug/l	100
79) 2-Chlorotoluene	11.42	91	642284	53.02	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	788263	54.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83640	49.19	ug/l	99
82) 4-Chlorotoluene	11.51	91	755619	52.77	ug/l	100
83) tert-Butylbenzene	11.77	119	778087	53.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	817042	54.24	ug/l	99
85) sec-Butylbenzene	11.94	105	927567	54.05	ug/l	100
86) p-Isopropyltoluene	12.07	119	834327	53.70	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	457777	49.02	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	464531	48.33	ug/l	99
89) n-Butylbenzene	12.39	91	633424	51.74	ug/l	99
90) Hexachloroethane	12.60	117	122077	52.51	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	415245	49.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57441	52.69	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	274077	47.61	ug/l	100
94) Hexachlorobutadiene	13.79	225	122887	42.58	ug/l	99
95) Naphthalene	13.83	128	879285	47.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283907	45.22	ug/l	100

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

