

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049887.D
 Acq On : 18 Jul 2018 21:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/19/2018 4:30:00 PM

Quant Time: Jul 19 06:34:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	607569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	890206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	816998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	452827	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	412956	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.59	113	364024	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1349309	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	460458	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	264307	47.60	ug/l	97
3) Chloromethane	2.06	50	351030	42.33	ug/l	100
4) Vinyl Chloride	2.18	62	387006	43.75	ug/l	99
5) Bromomethane	2.55	94	234227	47.26	ug/l	100
6) Chloroethane	2.70	64	250178	43.31	ug/l	99
7) Trichlorofluoromethane	3.01	101	536574	44.13	ug/l	96
8) Diethyl Ether	3.41	74	199342	46.99	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	327520	43.68	ug/l	99
10) Methyl Iodide	3.94	142	467742	46.50	ug/l	97
11) Tert butyl alcohol	4.81	59	150628	253.19	ug/l	100
12) 1,1-Dichloroethene	3.73	96	288700	43.83	ug/l	98
13) Acrolein	3.61	56	85791	223.79	ug/l	95
14) Allyl chloride	4.32	41	475243	45.77	ug/l	99
15) Acrylonitrile	4.99	53	674480	257.79	ug/l	99
16) Acetone	3.82	43	534102	247.03	ug/l	97
17) Carbon Disulfide	4.04	76	832656	42.25	ug/l	99
18) Methyl Acetate	4.33	43	371792	54.80	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	914652	50.47	ug/l	99
20) Methylene Chloride	4.54	84	377763	45.94	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	322835	46.16	ug/l	99
22) Diisopropyl ether	5.96	45	1072425	50.61	ug/l	97
23) Vinyl Acetate	5.90	43	3815775	256.66	ug/l	100
24) 1,1-Dichloroethane	5.85	63	622967	45.80	ug/l	99
25) 2-Butanone	6.84	43	823795	266.60	ug/l	99
26) 2,2-Dichloropropane	6.82	77	464800	43.91	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	367085	47.83	ug/l	98
28) Bromochloromethane	7.19	49	306644	49.91	ug/l	97
29) Tetrahydrofuran	7.22	42	529325	271.93	ug/l	99
30) Chloroform	7.37	83	649028	46.48	ug/l	99
31) Cyclohexane	7.65	56	509558	46.03	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	551933	45.73	ug/l	99
36) 1,1-Dichloropropene	7.79	75	469334	47.42	ug/l	99
37) Ethyl Acetate	6.94	43	350585	51.58	ug/l	99
38) Carbon Tetrachloride	7.77	117	491838	46.39	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	485107	47.44	ug/l	96
40) Benzene	8.04	78	1433692	47.52	ug/l	100
41) Methacrylonitrile	7.18	41	169502	49.75	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	480956	48.13	ug/l	100
43) Isopropyl Acetate	8.17	43	651151	54.84	ug/l	100
44) Trichloroethene	8.83	130	369515	46.71	ug/l	97
45) 1,2-Dichloropropane	9.12	63	383576	47.13	ug/l	100
46) Dibromomethane	9.21	93	242631	48.07	ug/l	97
47) Bromodichloromethane	9.40	83	505561	48.43	ug/l	99
48) Methyl methacrylate	9.20	41	310240	52.08	ug/l	99
49) 1,4-Dioxane	9.20	88	92134	1090.35	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1846242	278.13	ug/l	99
52) Toluene	10.16	92	893187	49.63	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	515953	49.99	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	568861	49.87	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	352221	47.38	ug/l	100
56) Ethyl methacrylate	10.43	69	469382	47.15	ug/l	98
57) 1,3-Dichloropropane	10.71	76	580541	49.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1184899	299.20	ug/l	99
59) 2-Hexanone	10.75	43	1288591	289.01	ug/l	99
60) Dibromochloromethane	10.90	129	400260	49.10	ug/l	99
61) 1,2-Dibromoethane	11.01	107	350839	50.51	ug/l	99
64) Tetrachloroethene	10.63	164	351405	47.86	ug/l	99
65) Chlorobenzene	11.44	112	978933	47.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	379615	47.74	ug/l	99
67) Ethyl Benzene	11.51	91	1689914	50.75	ug/l	100
68) m/p-Xylenes	11.62	106	1309623	103.89	ug/l	98
69) o-Xylene	11.95	106	618998	51.13	ug/l	98
70) Styrene	11.97	104	1059206	54.01	ug/l	100
71) Bromoform	12.13	173	294509	51.78	ug/l #	99
73) Isopropylbenzene	12.25	105	1672691	48.63	ug/l	100
74) N-amyl acetate	12.07	43	542931	51.86	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	480432	46.62	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	403032m	47.45	ug/l	
77) Bromobenzene	12.53	156	441898	46.52	ug/l	97
78) n-propylbenzene	12.59	91	1941264	49.64	ug/l	100
79) 2-Chlorotoluene	12.68	91	1150198	47.90	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1392154	50.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137207	50.51	ug/l	100
82) 4-Chlorotoluene	12.77	91	1184825	49.19	ug/l	100
83) tert-Butylbenzene	12.99	119	1194178	49.32	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1431551	51.26	ug/l	100
85) sec-Butylbenzene	13.17	105	1601621	50.06	ug/l	100
86) p-Isopropyltoluene	13.29	119	1403222	51.44	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	780731	47.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	761056	45.87	ug/l	99
89) n-Butylbenzene	13.62	91	1144380	50.81	ug/l	100
90) Hexachloroethane	13.88	117	265038	43.29	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	776875	47.75	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79858	50.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	401324	45.10	ug/l	99
94) Hexachlorobutadiene	15.01	225	233815	43.85	ug/l	100
95) Naphthalene	15.14	128	949384	44.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	403572	51.70	ug/l	99

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

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