

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051693.D
 Acq On : 5 Oct 2018 17:53
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 12:50:02 PM

Quant Time: Oct 06 01:29:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	544369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	820002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	515631	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	359763	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	313866	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	10.09	98	1213384	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	458754	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	351358	51.572	ug/l	99
3) Chloromethane	2.06	50	330218	53.154	ug/l	100
4) Vinyl Chloride	2.18	62	531103	54.271	ug/l	98
5) Bromomethane	2.56	94	301666	40.084	ug/l	99
6) Chloroethane	2.70	64	364090	55.357	ug/l	100
7) Trichlorofluoromethane	3.01	101	508003	49.858	ug/l	100
8) Diethyl Ether	3.41	74	152020	53.308	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	292220	53.725	ug/l	99
10) Methyl Iodide	3.95	142	256949	36.396	ug/l	100
11) Tert butyl alcohol	4.79	59	127500	260.877	ug/l	95
12) 1,1-Dichloroethene	3.73	96	266178	52.506	ug/l	97
13) Acrolein	3.61	56	73547	240.872	ug/l	99
14) Allyl chloride	4.32	41	390368	50.487	ug/l	97
15) Acrylonitrile	4.99	53	447700	265.457	ug/l	99
16) Acetone	3.82	43	358760	302.097	ug/l	100
17) Carbon Disulfide	4.05	76	750037	48.673	ug/l	99
18) Methyl Acetate	4.33	43	225245	56.747	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	837440	50.046	ug/l	98
20) Methylene Chloride	4.55	84	294750	49.817	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	296269	49.317	ug/l	93
22) Diisopropyl ether	5.95	45	850246	51.299	ug/l	98
23) Vinyl Acetate	5.90	43	3154606	258.852	ug/l	99
24) 1,1-Dichloroethane	5.85	63	525365	49.286	ug/l	100
25) 2-Butanone	6.84	43	548745	264.252	ug/l	99
26) 2,2-Dichloropropane	6.83	77	523248	48.983	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	349594	50.129	ug/l	99
28) Bromochloromethane	7.19	49	241335	51.139	ug/l	98
29) Tetrahydrofuran	7.22	42	349326	274.123	ug/l	99
30) Chloroform	7.37	83	595536	49.725	ug/l	99
31) Cyclohexane	7.65	56	476522	48.813	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	569523	49.060	ug/l	99
36) 1,1-Dichloropropene	7.79	75	433349	50.560	ug/l	99
37) Ethyl Acetate	6.93	43	246094	55.052	ug/l	99
38) Carbon Tetrachloride	7.77	117	509971	49.585	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	565733	52.582	ug/l	98
40) Benzene	8.04	78	1298868	51.119	ug/l	98
41) Methacrylonitrile	7.17	41	117313	50.940	ug/l #	93
42) 1,2-Dichloroethane	8.13	62	449434	52.486	ug/l	99
43) Isopropyl Acetate	8.17	43	517941	55.573	ug/l	98
44) Trichloroethene	8.84	130	366088	50.743	ug/l	98
45) 1,2-Dichloropropane	9.12	63	320669	51.045	ug/l	99
46) Dibromomethane	9.21	93	222917	51.051	ug/l	100
47) Bromodichloromethane	9.40	83	489677	50.943	ug/l	99
48) Methyl methacrylate	9.20	41	240289	56.422	ug/l	96
49) 1,4-Dioxane	9.20	88	68798	1077.346	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1339434	283.614	ug/l	98
52) Toluene	10.16	92	888078	52.551	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	508913	51.309	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	531258	50.439	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	316550	52.582	ug/l	98
56) Ethyl methacrylate	10.43	69	413545	54.320	ug/l	96
57) 1,3-Dichloropropane	10.71	76	505964	53.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	859275	272.716	ug/l	100
59) 2-Hexanone	10.75	43	907738	283.017	ug/l	97
60) Dibromochloromethane	10.90	129	404943	51.400	ug/l	100
61) 1,2-Dibromoethane	11.01	107	334807	52.608	ug/l	99
64) Tetrachloroethene	10.63	164	350058	49.953	ug/l	96
65) Chlorobenzene	11.43	112	1002745	50.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	399682	50.741	ug/l	100
67) Ethyl Benzene	11.51	91	1771503	52.099	ug/l	100
68) m/p-Xylenes	11.62	106	1505668	110.669	ug/l	100
69) o-Xylene	11.95	106	729024	54.639	ug/l	99
70) Styrene	11.96	104	1208729	56.853	ug/l	99
71) Bromoform	12.13	173	302379	51.610	ug/l #	98
73) Isopropylbenzene	12.25	105	2002216	45.552	ug/l	99
74) N-amyl acetate	12.07	43	478457	52.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	421502	49.414	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	351591m	55.313	ug/l	
77) Bromobenzene	12.53	156	481053	44.760	ug/l	99
78) n-propylbenzene	12.59	91	2271183	47.374	ug/l	99
79) 2-Chlorotoluene	12.67	91	1327676	46.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1795515	48.473	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	128852	45.935	ug/l	97
82) 4-Chlorotoluene	12.77	91	1408666	49.629	ug/l	99
83) tert-Butylbenzene	12.99	119	1612958	48.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1835445	49.469	ug/l	99
85) sec-Butylbenzene	13.17	105	2191932	49.925	ug/l	100
86) p-Isopropyltoluene	13.29	119	1987411	51.061	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	958082	51.159	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	934367	50.689	ug/l	100
89) n-Butylbenzene	13.62	91	1616085	52.514	ug/l	99
90) Hexachloroethane	13.88	117	363873	46.857	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	935584	50.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72396	46.887	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	391722	47.286	ug/l	99
94) Hexachlorobutadiene	15.01	225	252256	44.880	ug/l	97
95) Naphthalene	15.13	128	823311	46.022	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	376491	46.145	ug/l	99

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

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