

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055976.D
 Acq On : 4 Jun 2019 8:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:26 PM

Quant Time: Jun 04 10:52:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	327197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	472455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	411730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148709	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	15547	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
35) Dibromofluoromethane	7.59	113	13557	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
50) Toluene-d8	10.09	98	51804	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	
62) 4-Bromofluorobenzene	12.40	95	16267	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	11530	3.588	ug/l 99
3) Chloromethane	2.06	50	15623	4.405	ug/l 97
4) Vinyl Chloride	2.18	62	15568	4.376	ug/l 96
5) Bromomethane	2.53	94	12046	5.360	ug/l 98
6) Chloroethane	2.68	64	9860	4.780	ug/l 99
7) Trichlorofluoromethane	3.00	101	21588	4.753	ug/l 97
8) Diethyl Ether	3.41	74	9397	5.031	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	13721	4.973	ug/l 98
10) Methyl Iodide	3.94	142	19222	4.384	ug/l 96
11) Tert butyl alcohol	4.82	59	12932	22.874	ug/l # 88
12) 1,1-Dichloroethene	3.72	96	13739	5.002	ug/l 93
13) Acrolein	3.60	56	3990	24.470	ug/l 96
14) Allyl chloride	4.31	41	20189	4.655	ug/l 97
15) Acrylonitrile	4.99	53	33866	24.608	ug/l # 92
16) Acetone	3.82	43	37135	23.900	ug/l 98
17) Carbon Disulfide	4.04	76	27276	4.147	ug/l 97
18) Methyl Acetate	4.33	43	17278	5.067	ug/l 95
19) Methyl tert-butyl Ether	5.04	73	43086	4.921	ug/l 100
20) Methylene Chloride	4.54	84	16596	5.184	ug/l 93
21) trans-1,2-Dichloroethene	5.04	96	14576	4.953	ug/l 95
22) Diisopropyl ether	5.95	45	43787	4.884	ug/l 95
23) Vinyl Acetate	5.89	43	159019	22.522	ug/l 100
24) 1,1-Dichloroethane	5.84	63	26274	5.080	ug/l 100
25) 2-Butanone	6.84	43	46392	23.631	ug/l 99
26) 2,2-Dichloropropane	6.82	77	19374	4.801	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	17467	5.049	ug/l 96
28) Bromochloromethane	7.19	49	11585	4.737	ug/l # 96
29) Tetrahydrofuran	7.22	42	30313	24.980	ug/l 98
30) Chloroform	7.37	83	26101	5.017	ug/l 96
31) Cyclohexane	7.65	56	28652	5.558	ug/l # 73
32) 1,1,1-Trichloroethane	7.57	97	20955	4.823	ug/l 99
36) 1,1-Dichloropropene	7.79	75	19702	4.850	ug/l 97
37) Ethyl Acetate	6.93	43	16765	4.638	ug/l 99
38) Carbon Tetrachloride	7.77	117	17264	4.609	ug/l 93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	24711	4.883	ug/l	98
40) Benzene	8.04	78	60929	4.938	ug/l	99
41) Methacrylonitrile	7.18	41	7516	4.519	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	20365	5.131	ug/l	95
43) Isopropyl Acetate	8.17	43	27152	4.636	ug/l #	90
44) Trichloroethene	8.83	130	17650	4.978	ug/l	95
45) 1,2-Dichloropropane	9.12	63	15264	4.830	ug/l	95
46) Dibromomethane	9.21	93	10265	4.967	ug/l	100
47) Bromodichloromethane	9.40	83	16884	4.508	ug/l #	96
48) Methyl methacrylate	9.20	41	13885	4.845	ug/l	99
49) 1,4-Dioxane	9.21	88	6064	98.021	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	87927	24.005	ug/l	100
52) Toluene	10.15	92	37785	4.921	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	16233	4.177	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	19876	4.415	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	15041	4.946	ug/l	97
56) Ethyl methacrylate	10.43	69	20399	4.598	ug/l	96
57) 1,3-Dichloropropane	10.71	76	23758	4.805	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	33427	21.463	ug/l	99
59) 2-Hexanone	10.75	43	62151	23.411	ug/l	100
60) Dibromochloromethane	10.90	129	12168	4.138	ug/l	96
61) 1,2-Dibromoethane	11.00	107	14751	4.744	ug/l	98
64) Tetrachloroethene	10.63	164	18319	5.140	ug/l	97
65) Chlorobenzene	11.43	112	40713	4.968	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	13350	4.718	ug/l	97
67) Ethyl Benzene	11.51	91	68496	4.807	ug/l	98
68) m/p-Xylenes	11.62	106	52011	9.555	ug/l	99
69) o-Xylene	11.95	106	26841	5.013	ug/l	98
70) Styrene	11.96	104	39577	4.652	ug/l	99
71) Bromoform	12.12	173	8151	3.986	ug/l #	99
73) Isopropylbenzene	12.25	105	67921	5.644	ug/l	99
74) N-amyl acetate	12.07	43	21620	5.454	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	19373	5.612	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	14701m	5.373	ug/l	
77) Bromobenzene	12.53	156	17775	5.583	ug/l	94
78) n-propylbenzene	12.59	91	67369	5.355	ug/l	99
79) 2-Chlorotoluene	12.67	91	45697	5.771	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	55653	5.566	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	3436	4.182	ug/l #	72
82) 4-Chlorotoluene	12.77	91	38448	5.224	ug/l	99
83) tert-Butylbenzene	12.99	119	50920	5.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	51615	5.444	ug/l	98
85) sec-Butylbenzene	13.17	105	60458	5.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	52033	5.218	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	24676	5.008	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	23800	5.021	ug/l	96
89) n-Butylbenzene	13.61	91	35259	4.773	ug/l	99
90) Hexachloroethane	13.87	117	7794	5.183	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	25964	5.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2257	4.571	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8381	3.673	ug/l	99
94) Hexachlorobutadiene	15.01	225	10878	5.610	ug/l	98
95) Naphthalene	15.13	128	21742	3.678	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	9857	4.056	ug/l	98

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

