

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049840.D
 Acq On : 17 Jul 2018 11:29
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:09 AM

Quant Time: Jul 17 12:28:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 12:26:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	582208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	864093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	787945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406125	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	160385	19.48	ug/l	0.00
Spiked Amount			Recovery	=	38.96%	
35) Dibromofluoromethane	7.59	113	141686	19.69	ug/l	0.00
Spiked Amount			Recovery	=	39.38%	
50) Toluene-d8	10.09	98	509934	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.40	95	162663	17.70	ug/l	0.00
Spiked Amount			Recovery	=	35.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	112499	17.18	ug/l	98
3) Chloromethane	2.06	50	151447	17.71	ug/l	99
4) Vinyl Chloride	2.18	62	168692	18.76	ug/l	100
5) Bromomethane	2.56	94	94370	14.50	ug/l	99
6) Chloroethane	2.70	64	106741	19.23	ug/l	98
7) Trichlorofluoromethane	3.01	101	227113	19.45	ug/l	99
8) Diethyl Ether	3.41	74	79193	18.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	136933	18.95	ug/l	99
10) Methyl Iodide	3.95	142	179859	21.73	ug/l	98
11) Tert butyl alcohol	4.81	59	62199	76.01	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	122218	18.53	ug/l	98
13) Acrolein	3.61	56	52826	87.94	ug/l	98
14) Allyl chloride	4.32	41	193657	17.73	ug/l	98
15) Acrylonitrile	5.00	53	270100	88.07	ug/l	99
16) Acetone	3.83	43	211390	83.89	ug/l	99
17) Carbon Disulfide	4.04	76	363832	16.06	ug/l	100
18) Methyl Acetate	4.33	43	143102	15.66	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	355256	18.41	ug/l	98
20) Methylene Chloride	4.55	84	148093	18.34	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	132307	18.11	ug/l	99
22) Diisopropyl ether	5.96	45	417037	19.87	ug/l	97
23) Vinyl Acetate	5.90	43	1494713	92.46	ug/l	99
24) 1,1-Dichloroethane	5.85	63	255613	19.51	ug/l	99
25) 2-Butanone	6.85	43	325169	84.67	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196421	18.59	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	147956	18.72	ug/l	99
28) Bromochloromethane	7.20	49	124130	20.97	ug/l	96
29) Tetrahydrofuran	7.22	42	214637	86.42	ug/l	100
30) Chloroform	7.37	83	261224	19.36	ug/l	98
31) Cyclohexane	7.65	56	209847	16.15	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	224929	19.62	ug/l	99
36) 1,1-Dichloropropene	7.79	75	189121	18.94	ug/l	99
37) Ethyl Acetate	6.94	43	141076	17.88	ug/l	98
38) Carbon Tetrachloride	7.78	117	198490	19.33	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	188200	17.86	ug/l	96
40) Benzene	8.04	78	584813	19.37	ug/l	100
41) Methacrylonitrile	7.19	41	76843m	20.42	ug/l	
42) 1,2-Dichloroethane	8.13	62	194836	19.61	ug/l	99
43) Isopropyl Acetate	8.17	43	248310	13.11	ug/l	99
44) Trichloroethene	8.84	130	150261	18.82	ug/l	98
45) 1,2-Dichloropropane	9.12	63	153623	19.72	ug/l	98
46) Dibromomethane	9.21	93	98500	19.04	ug/l	98
47) Bromodichloromethane	9.41	83	203589	19.78	ug/l	100
48) Methyl methacrylate	9.20	41	119206	17.78	ug/l	98
49) 1,4-Dioxane	9.21	88	35449	324.24	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	727451	89.93	ug/l	99
52) Toluene	10.16	92	355850	19.60	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	194216	18.25	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221847	19.08	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140725	19.20	ug/l	97
56) Ethyl methacrylate	10.43	69	170580	17.64	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229129	19.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	423041	93.80	ug/l	99
59) 2-Hexanone	10.76	43	491587	85.72	ug/l	98
60) Dibromochloromethane	10.90	129	160318	19.60	ug/l	98
61) 1,2-Dibromoethane	11.01	107	138849	19.02	ug/l	99
64) Tetrachloroethene	10.63	164	138865	19.10	ug/l	98
65) Chlorobenzene	11.44	112	380873	18.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	149578	19.75	ug/l	100
67) Ethyl Benzene	11.51	91	628677	18.85	ug/l	99
68) m/p-Xylenes	11.62	106	496717	39.08	ug/l	99
69) o-Xylene	11.95	106	232579	19.25	ug/l	99
70) Styrene	11.97	104	385797	19.50	ug/l	99
71) Bromoform	12.13	173	112802	18.73	ug/l #	99
73) Isopropylbenzene	12.25	105	626288	19.39	ug/l	100
74) N-amyl acetate	12.07	43	196105	17.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	193730	18.47	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	155588m	17.75	ug/l	
77) Bromobenzene	12.53	156	166454	18.94	ug/l	98
78) n-propylbenzene	12.59	91	712569	19.45	ug/l	100
79) 2-Chlorotoluene	12.68	91	437371	19.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	514847	20.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49877	17.96	ug/l	96
82) 4-Chlorotoluene	12.78	91	439579	19.07	ug/l	99
83) tert-Butylbenzene	13.00	119	435688	19.22	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	525065	20.12	ug/l	99
85) sec-Butylbenzene	13.17	105	593794	19.72	ug/l	99
86) p-Isopropyltoluene	13.29	119	508841	19.82	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	286018	18.34	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	276937	17.49	ug/l	98
89) n-Butylbenzene	13.62	91	390707	18.05	ug/l	99
90) Hexachloroethane	13.88	117	100867	18.50	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	292102	19.00	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29909	16.19	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133390	17.08	ug/l	98
94) Hexachlorobutadiene	15.01	225	88438	18.46	ug/l	99
95) Naphthalene	15.14	128	304492	15.66	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	140842	17.14	ug/l	97

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

