

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052306.D
 Acq On : 14 Nov 2018 11:24
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:14 PM

Quant Time: Nov 15 02:52:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 02:30:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	267588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	456240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	71398	18.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.78%	
35) Dibromofluoromethane	7.59	113	54960	18.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.36%	
50) Toluene-d8	10.09	98	215713	18.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.26%	
62) 4-Bromofluorobenzene	12.40	95	67490	17.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	59499	20.983	ug/l	98
3) Chloromethane	2.06	50	78551	19.934	ug/l	98
4) Vinyl Chloride	2.19	62	68277	20.045	ug/l	99
5) Bromomethane	2.57	94	41014	19.314	ug/l	94
6) Chloroethane	2.71	64	38179	19.824	ug/l	98
7) Trichlorofluoromethane	3.02	101	90975	19.301	ug/l	99
8) Diethyl Ether	3.41	74	34271	19.077	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57325	19.258	ug/l	99
10) Methyl Iodide	3.96	142	77144	19.302	ug/l	100
11) Tert butyl alcohol	4.79	59	17078	85.235	ug/l	100
12) 1,1-Dichloroethene	3.74	96	53229	19.324	ug/l	94
13) Acrolein	3.61	56	28375	102.948	ug/l	99
14) Allyl chloride	4.33	41	102002	18.034	ug/l	97
15) Acrylonitrile	4.99	53	110833	95.875	ug/l	99
16) Acetone	3.82	43	101828	96.227	ug/l	95
17) Carbon Disulfide	4.06	76	151970	19.240	ug/l	100
18) Methyl Acetate	4.33	43	58207	19.275	ug/l #	79
19) Methyl tert-butyl Ether	5.05	73	155615	19.658	ug/l	97
20) Methylene Chloride	4.55	84	64114	18.508	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	57510	20.155	ug/l	98
22) Diisopropyl ether	5.95	45	230186	19.735	ug/l	99
23) Vinyl Acetate	5.90	43	784379	100.194	ug/l	99
24) 1,1-Dichloroethane	5.85	63	120540	19.479	ug/l	99
25) 2-Butanone	6.83	43	145893	99.607	ug/l	99
26) 2,2-Dichloropropane	6.83	77	88810	19.517	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	66771	19.340	ug/l	99
28) Bromochloromethane	7.20	49	59969	18.847	ug/l	98
29) Tetrahydrofuran	7.21	42	92148	95.023	ug/l	99
30) Chloroform	7.37	83	115619	19.605	ug/l	99
31) Cyclohexane	7.65	56	116871	16.290	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	95899	19.089	ug/l	98
36) 1,1-Dichloropropene	7.79	75	88015	19.247	ug/l	98
37) Ethyl Acetate	6.93	43	65388	18.714	ug/l	98
38) Carbon Tetrachloride	7.78	117	81543	19.409	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99956	19.148	ug/l	98
40) Benzene	8.04	78	257902	19.742	ug/l	99
41) Methacrylonitrile	7.17	41	23345m	12.416	ug/l	
42) 1,2-Dichloroethane	8.12	62	91405	19.621	ug/l	100
43) Isopropyl Acetate	8.17	43	120918	18.882	ug/l #	87
44) Trichloroethene	8.83	130	65063	20.219	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73272	19.764	ug/l	97
46) Dibromomethane	9.21	93	41556	19.362	ug/l	98
47) Bromodichloromethane	9.40	83	85911	19.506	ug/l	98
48) Methyl methacrylate	9.20	41	59530	18.320	ug/l	99
49) 1,4-Dioxane	9.20	88	8966	359.429	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	317948	98.631	ug/l	99
52) Toluene	10.16	92	153233	19.608	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85819	19.320	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	99267	19.604	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	55430	19.566	ug/l	98
56) Ethyl methacrylate	10.43	69	73617	19.759	ug/l	98
57) 1,3-Dichloropropane	10.71	76	99412	19.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	211405	99.664	ug/l	100
59) 2-Hexanone	10.75	43	220345	99.375	ug/l	100
60) Dibromochloromethane	10.90	129	58775	19.175	ug/l	100
61) 1,2-Dibromoethane	11.00	107	54311	19.246	ug/l	99
64) Tetrachloroethene	10.63	164	56669	19.498	ug/l	98
65) Chlorobenzene	11.43	112	165838	19.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	58135	19.729	ug/l	99
67) Ethyl Benzene	11.51	91	295030	19.671	ug/l	100
68) m/p-Xylenes	11.62	106	217646	39.717	ug/l	99
69) o-Xylene	11.95	106	106331	20.242	ug/l	99
70) Styrene	11.96	104	169957	20.207	ug/l	99
71) Bromoform	12.12	173	33019	18.978	ug/l #	99
73) Isopropylbenzene	12.25	105	279038	19.757	ug/l	100
74) N-amyl acetate	12.07	43	99435	19.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	67315	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55031m	19.925	ug/l	
77) Bromobenzene	12.53	156	64468	19.618	ug/l	99
78) n-propylbenzene	12.59	91	326505	19.767	ug/l	100
79) 2-Chlorotoluene	12.67	91	192883	19.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	227823	20.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16564	18.024	ug/l	93
82) 4-Chlorotoluene	12.77	91	190933	19.313	ug/l	99
83) tert-Butylbenzene	12.99	119	198062	19.974	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	227631	20.189	ug/l	99
85) sec-Butylbenzene	13.17	105	270348	20.015	ug/l	99
86) p-Isopropyltoluene	13.29	119	231529	20.235	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	114231	19.572	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112854	19.449	ug/l	98
89) n-Butylbenzene	13.61	91	192496	19.588	ug/l	98
90) Hexachloroethane	13.87	117	38378	18.937	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	113673	20.103	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9198	18.270	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45089	19.379	ug/l	98
94) Hexachlorobutadiene	15.01	225	25468	19.678	ug/l	98
95) Naphthalene	15.13	128	102758	19.545	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	41541	19.334	ug/l	98

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

