

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055170.D
 Acq On : 22 Apr 2019 9:47
 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
 4/23/2019 1:46:27 PM

Quant Time: Apr 23 05:10:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	422794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	700650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190524	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	29975	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
35) Dibromofluoromethane	7.59	113	23459	4.67	ug/l	0.00
Spiked Amount			Recovery	=	9.34%	
50) Toluene-d8	10.09	98	85760	4.71	ug/l	0.00
Spiked Amount			Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.40	95	24627	4.29	ug/l	0.00
Spiked Amount			Recovery	=	8.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	22396	4.114	ug/l	98
3) Chloromethane	2.06	50	31082	4.660	ug/l	98
4) Vinyl Chloride	2.19	62	26413	4.942	ug/l	98
5) Bromomethane	2.56	94	15048	4.855	ug/l	93
6) Chloroethane	2.71	64	14849	5.138	ug/l	99
7) Trichlorofluoromethane	3.02	101	36933	5.078	ug/l	86
8) Diethyl Ether	3.41	74	13356	5.144	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	23110	5.092	ug/l	99
10) Methyl Iodide	3.95	142	29781	4.884	ug/l #	76
11) Tert butyl alcohol	4.79	59	8448	25.733	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	21743	4.999	ug/l	92
13) Acrolein	3.61	56	7400	16.554	ug/l	88
14) Allyl chloride	4.33	41	45196	5.256	ug/l #	85
15) Acrylonitrile	4.99	53	47073	25.691	ug/l	99
16) Acetone	3.82	43	45342	23.968	ug/l	98
17) Carbon Disulfide	4.05	76	55752	4.585	ug/l	100
18) Methyl Acetate	4.33	43	27336	5.236	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	60498	5.030	ug/l	95
20) Methylene Chloride	4.55	84	28458	5.233	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	23385	5.127	ug/l	96
22) Diisopropyl ether	5.96	45	88133	5.142	ug/l	97
23) Vinyl Acetate	5.90	43	270845	23.514	ug/l	100
24) 1,1-Dichloroethane	5.85	63	47216	5.121	ug/l	98
25) 2-Butanone	6.84	43	59746	24.462	ug/l	98
26) 2,2-Dichloropropane	6.82	77	30381	4.869	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	26683	5.075	ug/l	96
28) Bromochloromethane	7.19	49	22913	4.875	ug/l	99
29) Tetrahydrofuran	7.22	42	38921	25.354	ug/l	99
30) Chloroform	7.37	83	46809	5.337	ug/l	99
31) Cyclohexane	7.66	56	49684	4.693	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	36042	5.115	ug/l	98
36) 1,1-Dichloropropene	7.80	75	31575	4.855	ug/l	97
37) Ethyl Acetate	6.93	43	25841	4.756	ug/l #	95
38) Carbon Tetrachloride	7.77	117	31165	4.796	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	37081	4.780	ug/l	94
40) Benzene	8.04	78	99903	4.977	ug/l	98
41) Methacrylonitrile	7.17	41	13825	5.161	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	36022	5.143	ug/l	99
43) Isopropyl Acetate	8.17	43	42649	5.018	ug/l #	86
44) Trichloroethene	8.83	130	25259	4.978	ug/l	98
45) 1,2-Dichloropropane	9.12	63	28201	4.977	ug/l	97
46) Dibromomethane	9.21	93	16124	4.971	ug/l	98
47) Bromodichloromethane	9.40	83	32798	5.051	ug/l #	96
48) Methyl methacrylate	9.20	41	17960	4.357	ug/l	94
49) 1,4-Dioxane	9.20	88	4794	100.698	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	119291	24.393	ug/l	98
52) Toluene	10.16	92	57228	4.863	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	26743	4.487	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	34408	4.653	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	21338	4.918	ug/l	97
56) Ethyl methacrylate	10.43	69	24309	4.498	ug/l	91
57) 1,3-Dichloropropane	10.71	76	37066	4.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	38867	22.304	ug/l	99
59) 2-Hexanone	10.75	43	70648	22.871	ug/l	100
60) Dibromochloromethane	10.90	129	22249	4.979	ug/l	100
61) 1,2-Dibromoethane	11.00	107	19747	4.841	ug/l	100
64) Tetrachloroethene	10.63	164	26338	5.460	ug/l	96
65) Chlorobenzene	11.43	112	59529	4.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	22753	5.087	ug/l	97
67) Ethyl Benzene	11.51	91	106035	4.932	ug/l	98
68) m/p-Xylenes	11.62	106	73963	9.593	ug/l	98
69) o-Xylene	11.95	106	38699	5.058	ug/l	96
70) Styrene	11.96	104	56647	4.776	ug/l	99
71) Bromoform	12.13	173	12029	4.507	ug/l #	95
73) Isopropylbenzene	12.25	105	99578	5.444	ug/l	99
74) N-amyl acetate	12.07	43	23696	4.824	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	26082	5.389	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	21379m	5.988	ug/l	
77) Bromobenzene	12.53	156	22089	5.252	ug/l	95
78) n-propylbenzene	12.59	91	100208	5.245	ug/l	100
79) 2-Chlorotoluene	12.67	91	64757	5.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	76775	5.383	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	4998	4.902	ug/l #	93
82) 4-Chlorotoluene	12.77	91	57268	5.159	ug/l	98
83) tert-Butylbenzene	12.99	119	70387	5.516	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	68584	5.096	ug/l	99
85) sec-Butylbenzene	13.17	105	84370	5.229	ug/l	100
86) p-Isopropyltoluene	13.29	119	67899	5.108	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	32665	5.059	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	30824	4.903	ug/l	96
89) n-Butylbenzene	13.61	91	46240	4.693	ug/l	94
90) Hexachloroethane	13.87	117	12049	5.111	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	34094	5.141	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2996	5.179	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8524	3.641	ug/l	97
94) Hexachlorobutadiene	15.01	225	11885	5.007	ug/l	98
95) Naphthalene	15.13	128	18153	3.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	9386	3.853	ug/l	97

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

