

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
 Data File : VN053559.D
 Acq On : 30 Jan 2019 9:19
 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
 2/1/2019 9:18:13 AM

Quant Time: Jan 30 10:43:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 30 10:36:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	697902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	927649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419556	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	36784	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
35) Dibromofluoromethane	7.59	113	33711	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
50) Toluene-d8	10.09	98	124815	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	39114	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	28176	4.730	ug/l	99
3) Chloromethane	2.06	50	38675	4.785	ug/l	99
4) Vinyl Chloride	2.19	62	38098	4.884	ug/l	97
5) Bromomethane	2.57	94	25783	4.853	ug/l	91
6) Chloroethane	2.71	64	22800	4.895	ug/l	98
7) Trichlorofluoromethane	3.02	101	54760	5.350	ug/l	97
8) Diethyl Ether	3.42	74	20245	5.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33739	5.242	ug/l	94
10) Methyl Iodide	3.95	142	49315	4.978	ug/l	99
11) Tert butyl alcohol	4.80	59	9825	27.678	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	31841	5.096	ug/l	98
13) Acrolein	3.62	56	1681	3.249	ug/l #	82
14) Allyl chloride	4.33	41	50726	5.030	ug/l	98
15) Acrylonitrile	5.00	53	57553	25.968	ug/l	99
16) Acetone	3.82	43	48744	29.731	ug/l	100
17) Carbon Disulfide	4.06	76	97890	5.159	ug/l	100
18) Methyl Acetate	4.33	43	27771	5.152	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	81709	4.959	ug/l	97
20) Methylene Chloride	4.55	84	38486	5.228	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	36445	5.470	ug/l	90
22) Diisopropyl ether	5.95	45	91315	4.412	ug/l #	89
23) Vinyl Acetate	5.90	43	311255	23.979	ug/l	100
24) 1,1-Dichloroethane	5.85	63	66001	5.309	ug/l	99
25) 2-Butanone	6.84	43	65999	26.419	ug/l	96
26) 2,2-Dichloropropane	6.82	77	49514	5.253	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	39784	5.230	ug/l	98
28) Bromochloromethane	7.20	49	27656	5.053	ug/l	93
29) Tetrahydrofuran	7.22	42	40630	24.959	ug/l	98
30) Chloroform	7.37	83	65641	5.413	ug/l	99
31) Cyclohexane	7.66	56	64010	4.691	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	53562	5.198	ug/l	98
36) 1,1-Dichloropropene	7.79	75	48591	4.935	ug/l	98
37) Ethyl Acetate	6.93	43	27146	4.777	ug/l #	93
38) Carbon Tetrachloride	7.77	117	51007	5.416	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	53971	4.448	ug/l	96
40) Benzene	8.04	78	151128	5.044	ug/l	99
41) Methacrylonitrile	7.17	41	13011	4.344	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	46416	5.310	ug/l	98
43) Isopropyl Acetate	8.17	43	53957	5.319	ug/l #	82
44) Trichloroethene	8.84	130	43627	5.251	ug/l	99
45) 1,2-Dichloropropane	9.12	63	38748	4.896	ug/l	96
46) Dibromomethane	9.21	93	23728	5.195	ug/l	99
47) Bromodichloromethane	9.40	83	48033	5.010	ug/l #	97
48) Methyl methacrylate	9.20	41	24099	4.633	ug/l	96
49) 1,4-Dioxane	9.21	88	6395	116.462	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	120397	21.852	ug/l	100
52) Toluene	10.16	92	88902	4.805	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	44928	4.640	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	54155	4.754	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	32352	5.042	ug/l	95
56) Ethyl methacrylate	10.43	69	33361	4.138	ug/l	100
57) 1,3-Dichloropropane	10.71	76	55686	5.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98712	22.072	ug/l	100
59) 2-Hexanone	10.75	43	79509	20.682	ug/l	100
60) Dibromochloromethane	10.90	129	35220	4.846	ug/l	98
61) 1,2-Dibromoethane	11.01	107	31801	4.944	ug/l	100
64) Tetrachloroethene	10.63	164	40812	4.751	ug/l	97
65) Chlorobenzene	11.43	112	101337	5.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	34818	5.106	ug/l	98
67) Ethyl Benzene	11.51	91	159771	4.822	ug/l	99
68) m/p-Xylenes	11.62	106	121448	9.691	ug/l	99
69) o-Xylene	11.95	106	58863	4.830	ug/l	100
70) Styrene	11.96	104	92120	4.670	ug/l	99
71) Bromoform	12.13	173	22018	4.688	ug/l #	99
73) Isopropylbenzene	12.25	105	153460	5.060	ug/l	99
74) N-amyl acetate	12.07	43	34933	4.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	37526	5.781	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	27404m	4.952	ug/l	
77) Bromobenzene	12.53	156	40352	5.023	ug/l	99
78) n-propylbenzene	12.59	91	172711	4.949	ug/l	98
79) 2-Chlorotoluene	12.67	91	104722	5.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	124745	5.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8967	4.691	ug/l	92
82) 4-Chlorotoluene	12.77	91	106263	5.031	ug/l	99
83) tert-Butylbenzene	12.99	119	112296	5.135	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	127725	5.094	ug/l	98
85) sec-Butylbenzene	13.17	105	153728	5.120	ug/l	99
86) p-Isopropyltoluene	13.29	119	129558	4.963	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	72219	5.107	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70228	4.942	ug/l	95
89) n-Butylbenzene	13.62	91	107175	4.809	ug/l	100
90) Hexachloroethane	13.87	117	20947	5.097	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	70372	5.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4871	5.765	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	34991	6.338	ug/l	96
94) Hexachlorobutadiene	15.01	225	25704	6.166	ug/l	99
95) Naphthalene	15.13	128	65445	6.688	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	32099	7.614	ug/l	99

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

