

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053397.D
 Acq On : 15 Jan 2019 9:42
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:39 AM

Quant Time: Jan 16 03:00:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	892591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1348063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1229388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	571670	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	44970	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
35) Dibromofluoromethane	7.59	113	37772	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
50) Toluene-d8	10.09	98	158278	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	54884	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	35122	4.894	ug/l	98
3) Chloromethane	2.06	50	50406	4.913	ug/l	98
4) Vinyl Chloride	2.19	62	49503	5.005	ug/l	97
5) Bromomethane	2.56	94	34555	5.092	ug/l	97
6) Chloroethane	2.70	64	30800	5.151	ug/l	97
7) Trichlorofluoromethane	3.02	101	63859	4.936	ug/l	100
8) Diethyl Ether	3.41	74	23754	4.889	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	40790	4.979	ug/l	98
10) Methyl Iodide	3.95	142	56533	4.515	ug/l	99
11) Tert butyl alcohol	4.78	59	9906	22.947	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	39030	4.911	ug/l	96
13) Acrolein	3.61	56	14030	37.878	ug/l	100
14) Allyl chloride	4.33	41	62294	4.826	ug/l	96
15) Acrylonitrile	4.99	53	68135	23.982	ug/l	99
16) Acetone	3.82	43	51537	24.898	ug/l	98
17) Carbon Disulfide	4.06	76	114812	4.777	ug/l	100
18) Methyl Acetate	4.33	43	33158	4.755	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	100417	4.756	ug/l	97
20) Methylene Chloride	4.56	84	49021	5.187	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	40886	4.812	ug/l	99
22) Diisopropyl ether	5.95	45	130987	4.861	ug/l	99
23) Vinyl Acetate	5.90	43	385743	23.287	ug/l	99
24) 1,1-Dichloroethane	5.85	63	77981	4.895	ug/l	99
25) 2-Butanone	6.83	43	78732	24.683	ug/l	100
26) 2,2-Dichloropropane	6.82	77	59276	4.928	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	47749	4.915	ug/l	97
28) Bromochloromethane	7.19	49	34458	4.910	ug/l	99
29) Tetrahydrofuran	7.21	42	48277	23.249	ug/l	99
30) Chloroform	7.37	83	78969	5.088	ug/l	100
31) Cyclohexane	7.65	56	83506	5.186	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	63811	4.847	ug/l	99
36) 1,1-Dichloropropene	7.79	75	59832	4.874	ug/l	98
37) Ethyl Acetate	6.93	43	31992	4.492	ug/l	97
38) Carbon Tetrachloride	7.77	117	55320	4.760	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	69852	4.603	ug/l	95
40) Benzene	8.04	78	185979	4.985	ug/l	100
41) Methacrylonitrile	7.17	41	17832	4.049	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	54793	5.041	ug/l	99
43) Isopropyl Acetate	8.16	43	63607	4.796	ug/l #	90
44) Trichloroethene	8.84	130	51526	4.980	ug/l	97
45) 1,2-Dichloropropane	9.12	63	48712	4.930	ug/l	100
46) Dibromomethane	9.21	93	28007	4.933	ug/l	99
47) Bromodichloromethane	9.40	83	58256	4.879	ug/l	95
48) Methyl methacrylate	9.20	41	29684	4.527	ug/l	99
49) 1,4-Dioxane	9.19	88	6177	96.450	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	162802	23.481	ug/l	99
52) Toluene	10.15	92	115047	4.967	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	54774	4.526	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	66156	4.663	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	39352	4.928	ug/l	96
56) Ethyl methacrylate	10.43	69	45349	5.895	ug/l	96
57) 1,3-Dichloropropane	10.71	76	68446	4.955	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	129063	23.103	ug/l	99
59) 2-Hexanone	10.75	43	114088	23.441	ug/l	100
60) Dibromochloromethane	10.90	129	41310	4.561	ug/l	98
61) 1,2-Dibromoethane	11.00	107	38315	4.744	ug/l	97
64) Tetrachloroethene	10.63	164	58521	5.051	ug/l	99
65) Chlorobenzene	11.43	112	127803	4.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	44104	4.872	ug/l	97
67) Ethyl Benzene	11.51	91	215752	4.865	ug/l	99
68) m/p-Xylenes	11.62	106	162635	9.713	ug/l	99
69) o-Xylene	11.95	106	79308	4.875	ug/l	99
70) Styrene	11.96	104	126576	4.794	ug/l	99
71) Bromoform	12.13	173	29675	4.762	ug/l #	98
73) Isopropylbenzene	12.25	105	208071	4.970	ug/l	99
74) N-amyl acetate	12.07	43	50774	4.550	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	43006	4.898	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	36875m	5.123	ug/l	
77) Bromobenzene	12.53	156	55703	5.050	ug/l	98
78) n-propylbenzene	12.59	91	232464	4.838	ug/l	100
79) 2-Chlorotoluene	12.67	91	141609	4.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	169334	4.971	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	11380	6.163	ug/l	92
82) 4-Chlorotoluene	12.77	91	144945	4.990	ug/l	98
83) tert-Butylbenzene	12.99	119	146464	4.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	169650	4.940	ug/l	100
85) sec-Butylbenzene	13.17	105	206427	5.003	ug/l	99
86) p-Isopropyltoluene	13.29	119	171542	4.788	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	96545	4.975	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	95477	4.905	ug/l	94
89) n-Butylbenzene	13.61	91	142136	4.655	ug/l	99
90) Hexachloroethane	13.87	117	25670	4.569	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	88720	4.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5423	4.871	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27053	6.011	ug/l	96
94) Hexachlorobutadiene	15.01	225	28184	5.061	ug/l	95
95) Naphthalene	15.13	128	42395	6.765	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	19475	7.019	ug/l	97

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

