

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057123.D
 Acq On : 8 Aug 2019 11:32
 Operator : JC/SP
 Sample : VN0808WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 9:28:00 AM

Quant Time: Aug 09 03:32:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1234923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1824327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1598251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	561548	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	641309	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	6.98	113	592092	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	9.56	98	2260675	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.92	95	691207	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.82	85	182697	18.407	ug/l	97
3) Chloromethane	2.00	50	244964	18.575	ug/l	100
4) Vinyl Chloride	2.11	62	235618	19.221	ug/l	98
5) Bromomethane	2.43	94	172194	20.674	ug/l	100
6) Chloroethane	2.55	64	155558	19.785	ug/l	99
7) Trichlorofluoromethane	2.83	101	343759	19.510	ug/l	99
8) Diethyl Ether	3.14	74	133925	19.673	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	210385	19.696	ug/l	100
10) Methyl Iodide	3.63	142	318909	19.757	ug/l	98
11) Tert butyl alcohol	4.23	59	164947	91.267	ug/l	100
12) 1,1-Dichloroethene	3.43	96	211339	20.112	ug/l	99
13) Acrolein	3.31	56	104794	91.656	ug/l	99
14) Allyl chloride	3.91	41	330020	21.611	ug/l	93
15) Acrylonitrile	4.45	53	491549	100.494	ug/l	98
16) Acetone	3.47	43	423668	110.460	ug/l	100
17) Carbon Disulfide	3.72	76	557797	19.954	ug/l	100
18) Methyl Acetate	3.89	43	236637	20.317	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	641692	20.228	ug/l	97
20) Methylene Chloride	4.10	84	247241	19.532	ug/l	98
21) trans-1,2-Dichloroethene	4.51	96	226069	19.750	ug/l	92
22) Diisopropyl ether	5.32	45	676678	20.315	ug/l	98
23) Vinyl Acetate	5.26	43	2629110	103.075	ug/l	100
24) 1,1-Dichloroethane	5.25	63	406043	19.830	ug/l	98
25) 2-Butanone	6.20	43	610829	104.236	ug/l	96
26) 2,2-Dichloropropane	6.21	77	321367	21.572	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	258990	19.750	ug/l	97
28) Bromochloromethane	6.58	49	191817	20.366	ug/l	99
29) Tetrahydrofuran	6.60	42	407168	103.144	ug/l	98
30) Chloroform	6.76	83	412443	19.461	ug/l	99
31) Cyclohexane	7.07	56	356022	19.326	ug/l	97
32) 1,1,1-Trichloroethane	6.98	97	346054	19.465	ug/l	99
36) 1,1-Dichloropropene	7.20	75	307037	20.441	ug/l	99
37) Ethyl Acetate	6.28	43	244857	19.767	ug/l #	98
38) Carbon Tetrachloride	7.18	117	308601	19.714	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	368618	20.180	ug/l	99
40) Benzene	7.46	78	944629	19.865	ug/l	99
41) Methacrylonitrile	6.55	41	116434	18.512	ug/l	94
42) 1,2-Dichloroethane	7.54	62	300181	19.794	ug/l	98
43) Isopropyl Acetate	7.56	43	414322	19.608	ug/l	98
44) Trichloroethene	8.27	130	265773	19.950	ug/l	97
45) 1,2-Dichloropropane	8.56	63	247478	20.100	ug/l	98
46) Dibromomethane	8.65	93	157388	19.936	ug/l	99
47) Bromodichloromethane	8.85	83	308075	20.168	ug/l	99
48) Methyl methacrylate	8.63	41	196713	19.743	ug/l	99
49) 1,4-Dioxane	8.64	88	78792	388.266	ug/l	95
51) 4-Methyl-2-Pentanone	9.45	43	1242187	101.009	ug/l	100
52) Toluene	9.63	92	594419	20.139	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	332540	20.839	ug/l	96
54) cis-1,3-Dichloropropene	9.30	75	377111	20.595	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	229614	19.783	ug/l	98
56) Ethyl methacrylate	9.90	69	333132	20.499	ug/l	98
57) 1,3-Dichloropropane	10.19	76	380121	19.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	585873	98.783	ug/l	99
59) 2-Hexanone	10.24	43	857498	103.027	ug/l	100
60) Dibromochloromethane	10.39	129	251459	20.628	ug/l	99
61) 1,2-Dibromoethane	10.50	107	239135	19.966	ug/l	99
64) Tetrachloroethene	10.11	164	260433	19.594	ug/l	96
65) Chlorobenzene	10.93	112	640449	19.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	242880	20.202	ug/l	99
67) Ethyl Benzene	11.01	91	1113785	20.124	ug/l	99
68) m/p-Xylenes	11.12	106	834860	40.944	ug/l	99
69) o-Xylene	11.46	106	414297	20.416	ug/l	96
70) Styrene	11.47	104	641505	20.239	ug/l	100
71) Bromoform	11.64	173	180317	20.475	ug/l #	100
73) Isopropylbenzene	11.76	105	1095598	22.503	ug/l	100
74) N-amyl acetate	11.58	43	297568	20.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.02	83	305722	22.659	ug/l	99
76) 1,2,3-Trichloropropane	12.07	75	241443m	20.265	ug/l	
77) Bromobenzene	12.04	156	277124	20.532	ug/l	99
78) n-propylbenzene	12.11	91	1095774	20.340	ug/l	100
79) 2-Chlorotoluene	12.19	91	691495	21.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	899769	20.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	83430	21.845	ug/l	98
82) 4-Chlorotoluene	12.29	91	632713	20.284	ug/l	97
83) tert-Butylbenzene	12.52	119	812376	22.627	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	838599	20.012	ug/l	100
85) sec-Butylbenzene	12.70	105	976300	19.955	ug/l	98
86) p-Isopropyltoluene	12.82	119	856513	19.951	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	391734	20.386	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	360684	19.811	ug/l	99
89) n-Butylbenzene	13.15	91	606610	20.452	ug/l	99
90) Hexachloroethane	13.41	117	155883	22.310	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	382240	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	39204	19.860	ug/l	96

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93) 1,2,4-Trichlorobenzene	14.45	180	113390	18.211	ug/l	100
94) Hexachlorobutadiene	14.55	225	164831	22.545	ug/l	99
95) Naphthalene	14.67	128	233075	17.995	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	126759	19.058	ug/l	96

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

