

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057446.D
 Acq On : 22 Aug 2019 21:16
 Operator : JC/SP
 Sample : VN0822WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:30 PM

Quant Time: Aug 23 05:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	381657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	711140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	607025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194366	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	338064	50.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.70%	
35) Dibromofluoromethane	7.58	113	229250	47.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	878148	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.40	95	275228	44.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	97449	21.637	ug/l	92
3) Chloromethane	2.05	50	129778	20.175	ug/l	97
4) Vinyl Chloride	2.17	62	160751	20.532	ug/l	98
5) Bromomethane	2.54	94	102336	21.209	ug/l	96
6) Chloroethane	2.69	64	101531	20.160	ug/l	100
7) Trichlorofluoromethane	3.00	101	246428	20.277	ug/l	98
8) Diethyl Ether	3.39	74	89647	21.087	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	132386	21.262	ug/l	98
10) Methyl Iodide	3.92	142	99401	20.030	ug/l	100
11) Tert butyl alcohol	4.79	59	84766	101.617	ug/l	98
12) 1,1-Dichloroethene	3.71	96	128850	19.834	ug/l	99
13) Acrolein	3.58	56	73396	100.062	ug/l	96
14) Allyl chloride	4.29	41	169590	19.733	ug/l	97
15) Acrylonitrile	4.97	53	230681	102.543	ug/l	98
16) Acetone	3.80	43	216654	70.268	ug/l	99
17) Carbon Disulfide	4.02	76	238732	19.265	ug/l	100
18) Methyl Acetate	4.31	43	141907	20.770	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	295577	18.849	ug/l	97
20) Methylene Chloride	4.52	84	92620	20.216	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	85382	18.625	ug/l	98
22) Diisopropyl ether	5.93	45	365374	19.823	ug/l	98
23) Vinyl Acetate	5.87	43	1397975	97.107	ug/l	100
24) 1,1-Dichloroethane	5.82	63	189145	19.363	ug/l	98
25) 2-Butanone	6.82	43	323315	96.569	ug/l	100
26) 2,2-Dichloropropane	6.80	77	143901	17.012	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107040	19.698	ug/l	95
28) Bromochloromethane	7.18	49	108991	20.719	ug/l #	22
29) Tetrahydrofuran	7.20	42	224680	101.773	ug/l	99
30) Chloroform	7.36	83	184708	20.424	ug/l	95
31) Cyclohexane	7.64	56	188719	20.010	ug/l #	96
32) 1,1,1-Trichloroethane	7.55	97	160683	19.176	ug/l	100
36) 1,1-Dichloropropene	7.78	75	133181	18.328	ug/l	98
37) Ethyl Acetate	6.91	43	138249	19.254	ug/l	98
38) Carbon Tetrachloride	7.76	117	131479	18.213	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	164362	19.045	ug/l	97
40) Benzene	8.03	78	405456	18.591	ug/l	98
41) Methacrylonitrile	7.17	41	61512m	17.966	ug/l	
42) 1,2-Dichloroethane	8.11	62	159727	19.021	ug/l	100
43) Isopropyl Acetate	8.16	43	245736	18.665	ug/l	99
44) Trichloroethene	8.82	130	90793	18.649	ug/l	95
45) 1,2-Dichloropropane	9.11	63	114796	18.690	ug/l	100
46) Dibromomethane	9.20	93	70655	19.396	ug/l	96
47) Bromodichloromethane	9.40	83	148804	18.363	ug/l	99
48) Methyl methacrylate	9.19	41	118542	18.935	ug/l	98
49) 1,4-Dioxane	9.20	88	31702	391.584	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	694977	94.716	ug/l	100
52) Toluene	10.15	92	235651	18.747	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	153393	18.072	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	166112	17.577	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92800	18.256	ug/l	97
56) Ethyl methacrylate	10.43	69	156295	19.545	ug/l	98
57) 1,3-Dichloropropane	10.70	76	167197	18.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	189242	96.238	ug/l	99
59) 2-Hexanone	10.75	43	477785	94.937	ug/l	99
60) Dibromochloromethane	10.90	129	97893	18.223	ug/l	100
61) 1,2-Dibromoethane	11.00	107	96597	19.374	ug/l	99
64) Tetrachloroethene	10.63	164	83884	19.752	ug/l	98
65) Chlorobenzene	11.43	112	225203	18.353	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	88772	18.864	ug/l	99
67) Ethyl Benzene	11.51	91	446524	18.800	ug/l	99
68) m/p-Xylenes	11.62	106	308447	38.187	ug/l	99
69) o-Xylene	11.95	106	151484	18.932	ug/l	96
70) Styrene	11.96	104	243914	19.251	ug/l	99
71) Bromoform	12.13	173	57618	18.112	ug/l #	97
73) Isopropylbenzene	12.25	105	412329	21.668	ug/l	99
74) N-amyl acetate	12.07	43	191819	21.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	124170	22.916	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	119647m	26.019	ug/l	
77) Bromobenzene	12.53	156	84381	21.956	ug/l	96
78) n-propylbenzene	12.59	91	440753	20.855	ug/l	100
79) 2-Chlorotoluene	12.67	91	269044	21.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	330965	21.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37350	19.466	ug/l	99
82) 4-Chlorotoluene	12.78	91	255787	20.989	ug/l	99
83) tert-Butylbenzene	12.99	119	283457	21.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	314814	20.834	ug/l	99
85) sec-Butylbenzene	13.17	105	366812	21.323	ug/l	99
86) p-Isopropyltoluene	13.29	119	299267	19.698	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	120622	19.213	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	120008	19.519	ug/l	99
89) n-Butylbenzene	13.62	91	252962	19.676	ug/l	99
90) Hexachloroethane	13.88	117	67103	21.588	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	121592	20.288	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19692	20.910	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	35815	18.555	ug/l	98
94) Hexachlorobutadiene	15.01	225	35806	21.620	ug/l	98
95) Naphthalene	15.13	128	119713	18.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	35087	18.115	ug/l	96

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

