

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057445.D
 Acq On : 22 Aug 2019 20:50
 Operator : JC/SP
 Sample : VN0822WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:24 PM

Quant Time: Aug 23 05:28:17 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	378770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	606341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	192174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	351716	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.58	113	238134	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.08	98	921652	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	289515	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	95578	21.383	ug/l	97
3) Chloromethane	2.05	50	130487	20.440	ug/l	98
4) Vinyl Chloride	2.17	62	162312	20.889	ug/l	99
5) Bromomethane	2.55	94	105172	21.963	ug/l	93
6) Chloroethane	2.69	64	100005	20.008	ug/l	95
7) Trichlorofluoromethane	3.00	101	242643	20.118	ug/l	99
8) Diethyl Ether	3.39	74	87400	20.689	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	131678	21.312	ug/l	99
10) Methyl Iodide	3.92	142	92541	18.790	ug/l	98
11) Tert butyl alcohol	4.79	59	86485	104.468	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	125429	19.455	ug/l	95
13) Acrolein	3.58	56	81612	112.112	ug/l	99
14) Allyl chloride	4.29	41	172449	20.217	ug/l	99
15) Acrylonitrile	4.97	53	230734	103.349	ug/l	97
16) Acetone	3.80	43	211551	69.136	ug/l	100
17) Carbon Disulfide	4.02	76	237881	19.343	ug/l	98
18) Methyl Acetate	4.30	43	145123	21.432	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	298288	19.166	ug/l	97
20) Methylene Chloride	4.53	84	92032	20.241	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	88280	19.404	ug/l	95
22) Diisopropyl ether	5.94	45	363245	19.858	ug/l	98
23) Vinyl Acetate	5.87	43	1389176	97.231	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189682	19.566	ug/l	100
25) 2-Butanone	6.82	43	320554	96.474	ug/l	99
26) 2,2-Dichloropropane	6.80	77	144245	17.182	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	103612	19.212	ug/l	99
28) Bromochloromethane	7.18	49	117363	22.481	ug/l	100
29) Tetrahydrofuran	7.20	42	218334	99.652	ug/l	99
30) Chloroform	7.36	83	182900	20.378	ug/l	100
31) Cyclohexane	7.63	56	190205	20.322	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	160482	19.298	ug/l	98
36) 1,1-Dichloropropene	7.78	75	135815	18.864	ug/l	99
37) Ethyl Acetate	6.92	43	137564	19.336	ug/l	99
38) Carbon Tetrachloride	7.76	117	133492	18.664	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	170144	19.898	ug/l	100
40) Benzene	8.03	78	407187	18.843	ug/l	99
41) Methacrylonitrile	7.16	41	59555	17.555	ug/l	97
42) 1,2-Dichloroethane	8.11	62	157713	18.955	ug/l	99
43) Isopropyl Acetate	8.16	43	246667	18.909	ug/l	99
44) Trichloroethene	8.83	130	93208	19.323	ug/l	94
45) 1,2-Dichloropropane	9.11	63	116733	19.181	ug/l	96
46) Dibromomethane	9.20	93	72462	20.090	ug/l	97
47) Bromodichloromethane	9.40	83	148559	18.503	ug/l	97
48) Methyl methacrylate	9.19	41	118810	19.153	ug/l	98
49) 1,4-Dioxane	9.20	88	30842	384.488	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	700219	96.314	ug/l	99
52) Toluene	10.15	92	238576	19.155	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	151021	17.957	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	170828	18.243	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	94351	18.733	ug/l	98
56) Ethyl methacrylate	10.43	69	150760	19.028	ug/l	99
57) 1,3-Dichloropropane	10.70	76	171004	19.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	178638	92.493	ug/l	100
59) 2-Hexanone	10.75	43	475581	95.374	ug/l	99
60) Dibromochloromethane	10.90	129	99912	18.771	ug/l	99
61) 1,2-Dibromoethane	11.00	107	94386	19.106	ug/l	98
64) Tetrachloroethene	10.63	164	85703	20.203	ug/l	98
65) Chlorobenzene	11.43	112	234179	19.106	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91407	19.445	ug/l	97
67) Ethyl Benzene	11.51	91	450592	18.993	ug/l	100
68) m/p-Xylenes	11.62	106	315106	39.055	ug/l	99
69) o-Xylene	11.95	106	156908	19.632	ug/l	99
70) Styrene	11.96	104	243069	19.206	ug/l	98
71) Bromoform	12.12	173	59441	18.706	ug/l #	98
73) Isopropylbenzene	12.25	105	414721	22.116	ug/l	99
74) N-amyl acetate	12.07	43	195197	22.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	120401	22.393	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	110163m	23.952	ug/l	
77) Bromobenzene	12.53	156	85396	22.549	ug/l	97
78) n-propylbenzene	12.59	91	445370	21.370	ug/l	100
79) 2-Chlorotoluene	12.67	91	272149	21.947	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333271	21.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37806	20.005	ug/l	100
82) 4-Chlorotoluene	12.77	91	255505	21.226	ug/l	99
83) tert-Butylbenzene	12.99	119	284152	21.964	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	315164	21.095	ug/l	98
85) sec-Butylbenzene	13.17	105	364354	21.435	ug/l	99
86) p-Isopropyltoluene	13.29	119	306942	20.434	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122915	19.801	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	118054	19.420	ug/l	97
89) n-Butylbenzene	13.62	91	258327	20.322	ug/l	99
90) Hexachloroethane	13.88	117	67075	21.867	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	122472	20.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19142	20.550	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	33121	17.702	ug/l	99
94) Hexachlorobutadiene	15.01	225	36493	22.393	ug/l	99
95) Naphthalene	15.13	128	115173	18.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	35110	18.272	ug/l	99

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

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