

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081419\
 Data File : VN057279.D
 Acq On : 14 Aug 2019 11:42
 Operator : JC/SP
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:52:50 AM

Quant Time: Aug 23 06:40:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	882337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1305569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1157858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	413745	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	503486	56.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.14%	
35) Dibromofluoromethane	7.58	113	433956	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.08	98	1619779	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.40	95	509535	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	159033	21.381	ug/l 100
3) Chloromethane	2.05	50	177111	21.004	ug/l 99
4) Vinyl Chloride	2.18	62	172868	21.105	ug/l 96
5) Bromomethane	2.55	94	129306	21.953	ug/l 98
6) Chloroethane	2.70	64	116676	21.664	ug/l 97
7) Trichlorofluoromethane	3.02	101	270907	21.021	ug/l 96
8) Diethyl Ether	3.40	74	103313	22.123	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158662	20.503	ug/l 99
10) Methyl Iodide	3.95	142	246070	20.469	ug/l 98
11) Tert butyl alcohol	4.76	59	134895	112.539	ug/l 99
12) 1,1-Dichloroethene	3.73	96	160436	20.896	ug/l 98
13) Acrolein	3.60	56	90949	106.054	ug/l 99
14) Allyl chloride	4.32	41	257259	22.087	ug/l 98
15) Acrylonitrile	4.97	53	376684	111.546	ug/l 100
16) Acetone	3.80	43	330480	108.299	ug/l 100
17) Carbon Disulfide	4.05	76	430813	20.528	ug/l 97
18) Methyl Acetate	4.31	43	193919	24.047	ug/l 99
19) Methyl tert-butyl Ether	5.03	73	496755	21.667	ug/l 98
20) Methylene Chloride	4.54	84	183713	20.609	ug/l 98
21) trans-1,2-Dichloroethene	5.03	96	170618	20.846	ug/l 99
22) Diisopropyl ether	5.94	45	509218	22.236	ug/l 98
23) Vinyl Acetate	5.88	43	2030871	111.912	ug/l 100
24) 1,1-Dichloroethane	5.84	63	311853	21.614	ug/l 98
25) 2-Butanone	6.82	43	481334	110.943	ug/l 98
26) 2,2-Dichloropropane	6.81	77	254178	21.473	ug/l 99
27) cis-1,2-Dichloroethene	6.82	96	198309	21.011	ug/l 98
28) Bromochloromethane	7.19	49	144226	22.653	ug/l 95
29) Tetrahydrofuran	7.20	42	306274	110.428	ug/l 100
30) Chloroform	7.36	83	322464	21.396	ug/l 99
31) Cyclohexane	7.65	56	269071	21.338	ug/l 99
32) 1,1,1-Trichloroethane	7.56	97	279914	21.957	ug/l 100
36) 1,1-Dichloropropene	7.79	75	227147	19.900	ug/l 97
37) Ethyl Acetate	6.91	43	200815	21.889	ug/l 97
38) Carbon Tetrachloride	7.77	117	244491	20.164	ug/l 99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	268448	19.864	ug/l	100
40) Benzene	8.03	78	716457	20.661	ug/l	99
41) Methacrylonitrile	7.17	41	79766m	20.759	ug/l	
42) 1,2-Dichloroethane	8.12	62	235580	21.200	ug/l	100
43) Isopropyl Acetate	8.16	43	352333	23.319	ug/l	96
44) Trichloroethene	8.83	130	199512	19.848	ug/l	95
45) 1,2-Dichloropropane	9.11	63	188896	21.502	ug/l	100
46) Dibromomethane	9.20	93	123071	20.778	ug/l	99
47) Bromodichloromethane	9.40	83	249338	21.834	ug/l	99
48) Methyl methacrylate	9.19	41	154756	22.136	ug/l	100
49) 1,4-Dioxane	9.19	88	67749	430.008	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	971790	109.531	ug/l	98
52) Toluene	10.15	92	447426	20.769	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	259815	21.270	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	295456	21.462	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	177699	21.103	ug/l	98
56) Ethyl methacrylate	10.43	69	250997	21.246	ug/l	99
57) 1,3-Dichloropropane	10.70	76	288764	20.785	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	317923	105.026	ug/l	98
59) 2-Hexanone	10.75	43	674140	107.091	ug/l	99
60) Dibromochloromethane	10.90	129	202467	21.441	ug/l	98
61) 1,2-Dibromoethane	11.00	107	182181	20.840	ug/l	98
64) Tetrachloroethene	10.63	164	204287	19.975	ug/l	99
65) Chlorobenzene	11.43	112	472690	19.951	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	186257	20.357	ug/l	98
67) Ethyl Benzene	11.51	91	829302	20.503	ug/l	100
68) m/p-Xylenes	11.62	106	628246	41.629	ug/l	98
69) o-Xylene	11.95	106	309701	20.959	ug/l	98
70) Styrene	11.96	104	477631	20.878	ug/l	98
71) Bromoform	12.13	173	147465	21.034	ug/l #	100
73) Isopropylbenzene	12.25	105	812700	23.944	ug/l	99
74) N-amyl acetate	12.07	43	240689	24.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	235649	25.212	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	189628m	24.416	ug/l	
77) Bromobenzene	12.53	156	207173	22.798	ug/l	96
78) n-propylbenzene	12.59	91	816301	22.877	ug/l	100
79) 2-Chlorotoluene	12.67	91	516964	23.456	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	664143	23.379	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	66471	21.579	ug/l	92
82) 4-Chlorotoluene	12.77	91	479343	21.243	ug/l	99
83) tert-Butylbenzene	12.99	119	606487	23.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	616072	21.145	ug/l	99
85) sec-Butylbenzene	13.17	105	716144	22.697	ug/l	99
86) p-Isopropyltoluene	13.29	119	612191	20.122	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	298087	20.797	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	277310	19.892	ug/l	100
89) n-Butylbenzene	13.62	91	443279	20.772	ug/l	99
90) Hexachloroethane	13.88	117	122830	23.300	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	291999	20.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30500	22.068	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73356	15.841	ug/l	96
94) Hexachlorobutadiene	15.01	225	128577	21.867	ug/l	99
95) Naphthalene	15.13	128	133230	18.619	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	71603	17.632	ug/l	97

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

