

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055756.D
 Acq On : 23 May 2019 16:21
 Operator : JC/SP
 Sample : VN0523WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:33 AM

Quant Time: May 24 07:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	547403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	194465	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	172970	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	658368	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	219401	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	46058	17.688	ug/l	99
3) Chloromethane	2.06	50	65264	17.889	ug/l	100
4) Vinyl Chloride	2.18	62	72305	18.581	ug/l	99
5) Bromomethane	2.54	94	51848	21.298	ug/l	97
6) Chloroethane	2.69	64	45458	19.403	ug/l	98
7) Trichlorofluoromethane	3.01	101	98909	19.388	ug/l	100
8) Diethyl Ether	3.40	74	43055	18.830	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	60770	19.082	ug/l	98
10) Methyl Iodide	3.94	142	90054	19.342	ug/l	100
11) Tert butyl alcohol	4.82	59	72086	94.423	ug/l	95
12) 1,1-Dichloroethene	3.72	96	62715	19.059	ug/l	97
13) Acrolein	3.60	56	48299	88.354	ug/l	98
14) Allyl chloride	4.31	41	104581	18.540	ug/l	98
15) Acrylonitrile	4.99	53	168311	96.010	ug/l	100
16) Acetone	3.82	43	162025	92.248	ug/l	98
17) Carbon Disulfide	4.04	76	169407	18.121	ug/l	100
18) Methyl Acetate	4.33	43	71628	19.283	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	212089	19.326	ug/l	97
20) Methylene Chloride	4.54	84	71719	18.855	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	66020	18.675	ug/l	97
22) Diisopropyl ether	5.96	45	207405	18.904	ug/l	98
23) Vinyl Acetate	5.90	43	901784	95.865	ug/l	100
24) 1,1-Dichloroethane	5.84	63	121304	18.990	ug/l	99
25) 2-Butanone	6.84	43	231709	94.461	ug/l	100
26) 2,2-Dichloropropane	6.82	77	102707	18.578	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	79734	19.333	ug/l	99
28) Bromochloromethane	7.19	49	60800	19.991	ug/l	98
29) Tetrahydrofuran	7.22	42	150076	96.612	ug/l	98
30) Chloroform	7.37	83	122316	19.200	ug/l	99
31) Cyclohexane	7.65	56	113263	18.885	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	110622	19.459	ug/l	99
36) 1,1-Dichloropropene	7.79	75	91492	19.179	ug/l	100
37) Ethyl Acetate	6.93	43	90597	19.650	ug/l	100
38) Carbon Tetrachloride	7.77	117	99425	20.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	112647	19.069	ug/l	99
40) Benzene	8.04	78	286072	19.898	ug/l	100
41) Methacrylonitrile	7.18	41	42108	18.078	ug/l	96
42) 1,2-Dichloroethane	8.12	62	94748	20.168	ug/l	100
43) Isopropyl Acetate	8.17	43	148887	19.220	ug/l	99
44) Trichloroethene	8.83	130	81719	20.389	ug/l	96
45) 1,2-Dichloropropane	9.12	63	74810	19.972	ug/l	100
46) Dibromomethane	9.21	93	49703	20.233	ug/l	97
47) Bromodichloromethane	9.40	83	99224	19.698	ug/l	96
48) Methyl methacrylate	9.20	41	71661	20.072	ug/l	98
49) 1,4-Dioxane	9.20	88	29994	404.276	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	456217	99.717	ug/l	100
52) Toluene	10.16	92	179764	19.881	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	106287	19.767	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	117364	19.703	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72338	19.970	ug/l	99
56) Ethyl methacrylate	10.43	69	108898	19.452	ug/l	98
57) 1,3-Dichloropropane	10.71	76	115937	19.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	204384	95.532	ug/l	99
59) 2-Hexanone	10.75	43	315006	97.055	ug/l	100
60) Dibromochloromethane	10.90	129	85348	20.225	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76066	20.245	ug/l	100
64) Tetrachloroethene	10.63	164	82469	20.453	ug/l	99
65) Chlorobenzene	11.43	112	193929	20.264	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77803	20.383	ug/l	99
67) Ethyl Benzene	11.51	91	338879	19.745	ug/l	100
68) m/p-Xylenes	11.62	106	259923	40.061	ug/l	99
69) o-Xylene	11.95	106	129464	20.112	ug/l	99
70) Styrene	11.96	104	208527	20.004	ug/l	100
71) Bromoform	12.13	173	66663	20.475	ug/l #	98
73) Isopropylbenzene	12.25	105	341758	21.891	ug/l	100
74) N-amyl acetate	12.07	43	119680	20.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	99359	21.042	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81767m	21.312	ug/l	
77) Bromobenzene	12.53	156	88796	20.258	ug/l	97
78) n-propylbenzene	12.59	91	350555	19.636	ug/l	99
79) 2-Chlorotoluene	12.67	91	216282	21.014	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	281672	21.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29283	19.181	ug/l	95
82) 4-Chlorotoluene	12.77	91	206188	19.648	ug/l	100
83) tert-Butylbenzene	12.99	119	247914	21.601	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	274603	21.007	ug/l	99
85) sec-Butylbenzene	13.17	105	309903	21.045	ug/l	99
86) p-Isopropyltoluene	13.29	119	286136	20.059	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	138136	19.903	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	130890	19.836	ug/l	99
89) n-Butylbenzene	13.61	91	207451	18.981	ug/l	99
90) Hexachloroethane	13.87	117	53978	19.881	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	140205	20.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17370	19.085	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67441	19.334	ug/l	99
94) Hexachlorobutadiene	15.01	225	56218	22.048	ug/l	97
95) Naphthalene	15.13	128	179356	18.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	72758	19.877	ug/l	99

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

