

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055800.D
 Acq On : 24 May 2019 16:58
 Operator : JC/SP
 Sample : VN0524WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:59 AM

Quant Time: May 25 05:02:58 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	359211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	519346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	184744	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	166230	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.09	98	626328	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	206726	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	42806	17.707	ug/l	100
3) Chloromethane	2.06	50	61771	18.237	ug/l	99
4) Vinyl Chloride	2.18	62	67657	18.727	ug/l	100
5) Bromomethane	2.55	94	48124	21.292	ug/l	97
6) Chloroethane	2.69	64	42042	19.329	ug/l	99
7) Trichlorofluoromethane	3.01	101	91498	19.318	ug/l	98
8) Diethyl Ether	3.41	74	41381	19.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56095	18.973	ug/l	100
10) Methyl Iodide	3.94	142	81290	18.806	ug/l	99
11) Tert butyl alcohol	4.81	59	68071	96.038	ug/l	97
12) 1,1-Dichloroethene	3.72	96	57344	18.771	ug/l	97
13) Acrolein	3.60	56	40432	79.665	ug/l	97
14) Allyl chloride	4.31	41	96150	18.359	ug/l	99
15) Acrylonitrile	4.99	53	159148	97.783	ug/l	99
16) Acetone	3.82	43	132903	81.502	ug/l	98
17) Carbon Disulfide	4.04	76	153440	17.678	ug/l	100
18) Methyl Acetate	4.33	43	70753	20.599	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	197688	19.402	ug/l	100
20) Methylene Chloride	4.54	84	67422	19.092	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	63381	19.311	ug/l	95
22) Diisopropyl ether	5.95	45	193897	19.035	ug/l	97
23) Vinyl Acetate	5.90	43	826797	94.671	ug/l	99
24) 1,1-Dichloroethane	5.84	63	112926	19.041	ug/l	99
25) 2-Butanone	6.84	43	211327	92.794	ug/l	98
26) 2,2-Dichloropropane	6.82	77	83557	16.279	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	74746	19.521	ug/l	98
28) Bromochloromethane	7.19	49	56103	19.869	ug/l	96
29) Tetrahydrofuran	7.22	42	143352	99.398	ug/l	99
30) Chloroform	7.37	83	116446	19.688	ug/l	98
31) Cyclohexane	7.65	56	104591	18.784	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	101767	19.282	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84111	18.585	ug/l	99
37) Ethyl Acetate	6.94	43	86999	19.889	ug/l	99
38) Carbon Tetrachloride	7.77	117	89212	18.924	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102110	18.219	ug/l	98
40) Benzene	8.04	78	266936	19.570	ug/l	99
41) Methacrylonitrile	7.18	41	38823	17.568	ug/l	93
42) 1,2-Dichloroethane	8.12	62	86237	19.348	ug/l	100
43) Isopropyl Acetate	8.17	43	137427	18.699	ug/l #	90
44) Trichloroethene	8.83	130	77272	20.321	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68208	19.193	ug/l	99
46) Dibromomethane	9.21	93	46440	19.926	ug/l	98
47) Bromodichloromethane	9.40	83	89813	18.793	ug/l	99
48) Methyl methacrylate	9.20	41	65728	19.405	ug/l	97
49) 1,4-Dioxane	9.20	88	30245	429.682	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	422120	97.248	ug/l	99
52) Toluene	10.16	92	169787	19.792	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	92653	18.163	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	105302	18.633	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	69079	20.100	ug/l	100
56) Ethyl methacrylate	10.43	69	102186	19.239	ug/l	100
57) 1,3-Dichloropropane	10.71	76	110436	19.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	191951	94.567	ug/l	99
59) 2-Hexanone	10.75	43	293770	95.402	ug/l	100
60) Dibromochloromethane	10.90	129	75292	18.806	ug/l	99
61) 1,2-Dibromoethane	11.00	107	70249	19.707	ug/l	97
64) Tetrachloroethene	10.63	164	78486	20.582	ug/l	98
65) Chlorobenzene	11.43	112	181049	20.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	70698	19.585	ug/l	100
67) Ethyl Benzene	11.51	91	318708	19.636	ug/l	99
68) m/p-Xylenes	11.62	106	243988	39.763	ug/l	99
69) o-Xylene	11.95	106	122082	20.053	ug/l	99
70) Styrene	11.96	104	194021	19.680	ug/l	100
71) Bromoform	12.13	173	57592	18.704	ug/l #	99
73) Isopropylbenzene	12.25	105	315569	21.340	ug/l	100
74) N-amyl acetate	12.07	43	113381	20.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	95853	21.571	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78112m	21.596	ug/l	
77) Bromobenzene	12.53	156	82925	20.033	ug/l	97
78) n-propylbenzene	12.59	91	321174	19.049	ug/l	98
79) 2-Chlorotoluene	12.67	91	201350	20.676	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	256790	20.603	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25823	17.911	ug/l	99
82) 4-Chlorotoluene	12.77	91	191150	19.287	ug/l	100
83) tert-Butylbenzene	12.99	119	230313	21.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254618	20.580	ug/l	100
85) sec-Butylbenzene	13.17	105	284432	20.382	ug/l	100
86) p-Isopropyltoluene	13.29	119	257592	19.121	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	128886	19.664	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	121353	19.473	ug/l	99
89) n-Butylbenzene	13.61	91	182656	17.696	ug/l	99
90) Hexachloroethane	13.87	117	46973	18.319	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	131477	20.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16512	19.211	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56584	17.582	ug/l	99
94) Hexachlorobutadiene	15.01	225	47918	19.715	ug/l	98
95) Naphthalene	15.13	128	159058	17.725	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	62573	18.101	ug/l	99

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

