

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063555.D
 Acq On : 23 Sep 2020 1:16
 Operator : JC/MD
 Sample : VN0922WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:06:38 PM

Quant Time: Sep 23 06:53:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	393429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	199853	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.55	113	140728	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.06	98	516890	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.38	95	191249	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54317	20.189	ug/l	98
3) Chloromethane	2.04	50	66492	18.682	ug/l	99
4) Vinyl Chloride	2.17	62	67416	21.379	ug/l	97
5) Bromomethane	2.54	94	43715	23.349	ug/l	94
6) Chloroethane	2.68	64	39450	20.381	ug/l	98
7) Trichlorofluoromethane	2.99	101	103066	21.907	ug/l	96
8) Diethyl Ether	3.38	74	37257	20.314	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53539	20.235	ug/l	97
10) Methyl Iodide	3.92	142	65045	18.882	ug/l	98
11) Tert butyl alcohol	4.72	59	47528	84.867	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	52852	19.722	ug/l	98
13) Acrolein	3.57	56	19834	95.567	ug/l	96
14) Allyl chloride	4.28	41	90124	17.001	ug/l	90
15) Acrylonitrile	4.93	53	140388	98.550	ug/l	98
16) Acetone	3.78	43	131871	101.502	ug/l	96
17) Carbon Disulfide	4.01	76	141052	18.095	ug/l	98
18) Methyl Acetate	4.28	43	69769	21.154	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	199585	19.982	ug/l	98
20) Methylene Chloride	4.51	84	69242	21.035	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	58291	19.632	ug/l	93
22) Diisopropyl ether	5.90	45	212926	19.695	ug/l	95
23) Vinyl Acetate	5.85	43	871823	98.191	ug/l	100
24) 1,1-Dichloroethane	5.80	63	118352	20.051	ug/l	99
25) 2-Butanone	6.78	43	190689	95.433	ug/l	97
26) 2,2-Dichloropropane	6.78	77	82924	15.957	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	68503	20.384	ug/l	99
28) Bromochloromethane	7.15	49	55817	20.481	ug/l	99
29) Tetrahydrofuran	7.17	42	130204	95.410	ug/l	99
30) Chloroform	7.33	83	123986	20.937	ug/l	97
31) Cyclohexane	7.61	56	100460	17.993	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	107761	20.459	ug/l	100
36) 1,1-Dichloropropene	7.75	75	86589	19.231	ug/l	99
37) Ethyl Acetate	6.88	43	88404	20.005	ug/l #	91
38) Carbon Tetrachloride	7.73	117	90357	19.659	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	86683	17.739	ug/l	96
40) Benzene	8.00	78	256950	19.991	ug/l	99
41) Methacrylonitrile	7.14	41	38953m	19.599	ug/l	
42) 1,2-Dichloroethane	8.09	62	106810	20.664	ug/l	99
43) Isopropyl Acetate	8.13	43	146672	18.562	ug/l	99
44) Trichloroethene	8.80	130	63388	20.333	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70283	20.077	ug/l	98
46) Dibromomethane	9.18	93	47974	20.851	ug/l	98
47) Bromodichloromethane	9.37	83	95751	20.032	ug/l	97
48) Methyl methacrylate	9.17	41	71098	18.314	ug/l	96
49) 1,4-Dioxane	9.17	88	20059	360.052	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	432976	97.878	ug/l	99
52) Toluene	10.13	92	158793	20.549	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	96207	18.029	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103917	18.462	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	65914	21.474	ug/l	98
56) Ethyl methacrylate	10.40	69	89217	18.619	ug/l	98
57) 1,3-Dichloropropane	10.68	76	108905	19.675	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	232407	92.456	ug/l	97
59) 2-Hexanone	10.72	43	305665	95.377	ug/l	99
60) Dibromochloromethane	10.87	129	67877	19.574	ug/l	98
61) 1,2-Dibromoethane	10.98	107	65071	20.405	ug/l	100
64) Tetrachloroethene	10.60	164	57785	21.570	ug/l	98
65) Chlorobenzene	11.41	112	165282	19.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61150	19.975	ug/l	98
67) Ethyl Benzene	11.49	91	303787	19.316	ug/l	99
68) m/p-Xylenes	11.59	106	222937	39.315	ug/l	100
69) o-Xylene	11.92	106	106449	19.706	ug/l	100
70) Styrene	11.94	104	180285	19.902	ug/l	98
71) Bromoform	12.10	173	42032	18.430	ug/l #	99
73) Isopropylbenzene	12.22	105	285940	20.323	ug/l	100
74) N-amyl acetate	12.05	43	124606	18.709	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	88574	20.331	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	88908m	20.458	ug/l	
77) Bromobenzene	12.50	156	68409	21.614	ug/l	97
78) n-propylbenzene	12.57	91	332489	20.289	ug/l	99
79) 2-Chlorotoluene	12.65	91	202095	20.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	240962	20.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	26106	16.469	ug/l	95
82) 4-Chlorotoluene	12.75	91	210232	20.255	ug/l	99
83) tert-Butylbenzene	12.97	119	193037	19.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	242778	20.486	ug/l	99
85) sec-Butylbenzene	13.14	105	259621	20.030	ug/l	100
86) p-Isopropyltoluene	13.26	119	227919	19.936	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	119589	20.386	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	122045	20.463	ug/l	100
89) n-Butylbenzene	13.59	91	199229	18.906	ug/l	99
90) Hexachloroethane	13.85	117	40293	18.509	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	120533	20.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18456	17.791	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62166	18.309	ug/l	95
94) Hexachlorobutadiene	14.98	225	29860	21.243	ug/l	99
95) Naphthalene	15.10	128	207173	18.469	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63255	19.282	ug/l	99

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

