

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060393.D
 Acq On : 9 Mar 2020 11:14
 Operator : JC/MD
 Sample : VN0309WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:46:00 AM

Quant Time: Mar 09 16:40:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	335960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147013	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127614	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	7.56	113	95951	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
50) Toluene-d8	10.08	98	371860	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.40	95	139846	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	32125	16.93	ug/l	99
3) Chloromethane	2.04	50	56240	17.02	ug/l	98
4) Vinyl Chloride	2.16	62	46673	16.47	ug/l	98
5) Bromomethane	2.55	94	19034	15.00	ug/l	99
6) Chloroethane	2.68	64	26026	16.95	ug/l	94
7) Trichlorofluoromethane	3.00	101	63261	17.47	ug/l	97
8) Diethyl Ether	3.38	74	25302	18.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37766	18.43	ug/l	100
10) Methyl Iodide	3.93	142	31345	16.76	ug/l	99
11) Tert butyl alcohol	4.73	59	38391	97.34	ug/l	98
12) 1,1-Dichloroethene	3.71	96	36812	18.46	ug/l	99
13) Acrolein	3.58	56	30322	82.41	ug/l	99
14) Allyl chloride	4.29	41	67998	18.54	ug/l	97
15) Acrylonitrile	4.94	53	100581	96.76	ug/l	99
16) Acetone	3.78	43	79950	93.21	ug/l	99
17) Carbon Disulfide	4.03	76	90037	16.59	ug/l	99
18) Methyl Acetate	4.29	43	52288	18.27	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	136121	18.85	ug/l	99
20) Methylene Chloride	4.52	84	42245	17.93	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	38837	17.90	ug/l	98
22) Diisopropyl ether	5.91	45	145715	19.62	ug/l	96
23) Vinyl Acetate	5.86	43	568405	96.30	ug/l	99
24) 1,1-Dichloroethane	5.82	63	80984	19.26	ug/l	100
25) 2-Butanone	6.80	43	134593	97.15	ug/l	98
26) 2,2-Dichloropropane	6.79	77	72303	18.89	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47581	17.42	ug/l	98
28) Bromochloromethane	7.17	49	33153	19.20	ug/l	96
29) Tetrahydrofuran	7.18	42	91174	94.64	ug/l	100
30) Chloroform	7.35	83	80879	19.32	ug/l	100
31) Cyclohexane	7.63	56	70532	18.82	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	70086	18.90	ug/l	100
36) 1,1-Dichloropropene	7.77	75	58416	18.24	ug/l	99
37) Ethyl Acetate	6.89	43	59542	19.64	ug/l	99
38) Carbon Tetrachloride	7.75	117	57350	18.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	66324	17.57	ug/l	99
40) Benzene	8.02	78	175259	18.81	ug/l	98
41) Methacrylonitrile	7.15	41	25570m	18.27	ug/l	
42) 1,2-Dichloroethane	8.10	62	64494	19.18	ug/l	99
43) Isopropyl Acetate	8.14	43	102802	19.37	ug/l	99
44) Trichloroethene	8.82	130	48067	18.52	ug/l	100
45) 1,2-Dichloropropane	9.10	63	47928	19.67	ug/l	97
46) Dibromomethane	9.19	93	29410	18.60	ug/l	98
47) Bromodichloromethane	9.38	83	62193	19.34	ug/l	99
48) Methyl methacrylate	9.18	41	44722	18.48	ug/l	97
49) 1,4-Dioxane	9.18	88	14201	417.23	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	294473	97.85	ug/l	100
52) Toluene	10.14	92	107184	18.31	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72589	18.42	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	78778	19.30	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	44298	18.82	ug/l	98
56) Ethyl methacrylate	10.42	69	63898	18.89	ug/l	97
57) 1,3-Dichloropropane	10.70	76	75263	19.60	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	165470	93.55	ug/l	98
59) 2-Hexanone	10.74	43	210974	95.48	ug/l	100
60) Dibromochloromethane	10.89	129	46117	19.26	ug/l	100
61) 1,2-Dibromoethane	10.99	107	43035	18.75	ug/l	98
64) Tetrachloroethene	10.62	164	51160	19.98	ug/l	98
65) Chlorobenzene	11.43	112	114603	18.19	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	44095	18.93	ug/l	99
67) Ethyl Benzene	11.50	91	211521	18.44	ug/l	99
68) m/p-Xylenes	11.62	106	156035	36.06	ug/l	99
69) o-Xylene	11.94	106	75079	18.19	ug/l	100
70) Styrene	11.96	104	119548	17.62	ug/l	98
71) Bromoform	12.12	173	31000	18.47	ug/l #	100
73) Isopropylbenzene	12.24	105	204900	18.80	ug/l	99
74) N-amyl acetate	12.06	43	87000	18.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57611	19.45	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55368m	17.17	ug/l	
77) Bromobenzene	12.52	156	48501	18.16	ug/l	97
78) n-propylbenzene	12.59	91	236392	18.51	ug/l	99
79) 2-Chlorotoluene	12.67	91	140903	18.77	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	173124	18.87	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	21909	18.75	ug/l #	85
82) 4-Chlorotoluene	12.77	91	144633	18.28	ug/l	98
83) tert-Butylbenzene	12.99	119	144343	18.17	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	171167	18.48	ug/l	100
85) sec-Butylbenzene	13.17	105	196113	18.44	ug/l	100
86) p-Isopropyltoluene	13.28	119	176091	17.89	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	87421	18.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	85899	18.61	ug/l	99
89) n-Butylbenzene	13.61	91	156604	17.33	ug/l	100
90) Hexachloroethane	13.87	117	24041	16.87	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	83971	17.94	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12443	18.55	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52647	17.76	ug/l	99
94) Hexachlorobutadiene	15.01	225	26650	19.14	ug/l	98
95) Naphthalene	15.13	128	151205	17.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50193	17.80	ug/l	99

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

