

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061069.D
 Acq On : 17 Apr 2020 22:57
 Operator : JC/MD
 Sample : VN0417WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:21 AM

Quant Time: Apr 20 06:14:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	156156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	265457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	242682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100967	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.56	113	76187	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	276003	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.39	95	108220	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38023	18.653	ug/l	99
3) Chloromethane	2.04	50	52043	18.791	ug/l	99
4) Vinyl Chloride	2.17	62	43461	18.883	ug/l	100
5) Bromomethane	2.55	94	20778	18.002	ug/l	100
6) Chloroethane	2.69	64	26129	19.680	ug/l	98
7) Trichlorofluoromethane	3.00	101	55936	19.521	ug/l	98
8) Diethyl Ether	3.38	74	21981	19.301	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30720	18.274	ug/l	99
10) Methyl Iodide	3.93	142	30080	20.282	ug/l	98
11) Tert butyl alcohol	4.72	59	34994	98.718	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	32268	18.883	ug/l	98
13) Acrolein	3.58	56	22714	75.889	ug/l	99
14) Allyl chloride	4.29	41	58798	18.185	ug/l	98
15) Acrylonitrile	4.94	53	98067	102.032	ug/l	99
16) Acetone	3.78	43	81545	92.730	ug/l	100
17) Carbon Disulfide	4.03	76	99070	18.527	ug/l	98
18) Methyl Acetate	4.29	43	57877	20.989	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	112908	18.949	ug/l	98
20) Methylene Chloride	4.52	84	36379	18.947	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	35063	19.184	ug/l	95
22) Diisopropyl ether	5.91	45	128604	19.151	ug/l	99
23) Vinyl Acetate	5.86	43	495381	94.075	ug/l	100
24) 1,1-Dichloroethane	5.82	63	69235	19.090	ug/l	99
25) 2-Butanone	6.80	43	132071	98.009	ug/l	100
26) 2,2-Dichloropropane	6.79	77	48693	16.125	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	39955	19.041	ug/l	98
28) Bromochloromethane	7.17	49	34324	20.617	ug/l	100
29) Tetrahydrofuran	7.18	42	90749	99.198	ug/l	100
30) Chloroform	7.35	83	64417	19.042	ug/l	97
31) Cyclohexane	7.63	56	66851	17.963	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	54846	18.744	ug/l	98
36) 1,1-Dichloropropene	7.77	75	50404	18.400	ug/l	99
37) Ethyl Acetate	6.89	43	57279	19.257	ug/l	98
38) Carbon Tetrachloride	7.75	117	43164	18.931	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57283	17.491	ug/l	97
40) Benzene	8.02	78	152188	18.727	ug/l	100
41) Methacrylonitrile	7.15	41	24564m	19.800	ug/l	
42) 1,2-Dichloroethane	8.10	62	52451	18.947	ug/l	100
43) Isopropyl Acetate	8.14	43	93044	19.234	ug/l	100
44) Trichloroethene	8.82	130	37568	18.398	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41222	18.780	ug/l	98
46) Dibromomethane	9.19	93	24634	19.465	ug/l	100
47) Bromodichloromethane	9.38	83	50470	18.878	ug/l	100
48) Methyl methacrylate	9.18	41	40416	18.905	ug/l	99
49) 1,4-Dioxane	9.18	88	11258	387.792	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	276302	99.080	ug/l	100
52) Toluene	10.14	92	89516	18.361	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	56555	18.211	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	61332	18.101	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	35086	19.017	ug/l	97
56) Ethyl methacrylate	10.42	69	54029	18.623	ug/l	97
57) 1,3-Dichloropropane	10.70	76	62174	18.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	125909	95.511	ug/l	100
59) 2-Hexanone	10.74	43	198374	98.638	ug/l	99
60) Dibromochloromethane	10.89	129	36526	19.273	ug/l	98
61) 1,2-Dibromoethane	10.99	107	35551	18.910	ug/l	97
64) Tetrachloroethene	10.62	164	34571	18.616	ug/l	99
65) Chlorobenzene	11.42	112	91448	18.254	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	33073	18.452	ug/l	99
67) Ethyl Benzene	11.50	91	171170	18.164	ug/l	98
68) m/p-Xylenes	11.61	106	124493	36.554	ug/l	100
69) o-Xylene	11.94	106	59993	18.321	ug/l	99
70) Styrene	11.96	104	96127	18.235	ug/l	100
71) Bromoform	12.12	173	25293	18.905	ug/l #	100
73) Isopropylbenzene	12.24	105	160921	18.110	ug/l	99
74) N-amyl acetate	12.06	43	75702	18.321	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	51897	19.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	45920m	18.823	ug/l	
77) Bromobenzene	12.52	156	38081	18.356	ug/l	99
78) n-propylbenzene	12.58	91	187412	18.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	111794	18.335	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	135654	18.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	16632	16.816	ug/l	100
82) 4-Chlorotoluene	12.77	91	115680	18.293	ug/l	100
83) tert-Butylbenzene	12.99	119	111812	18.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	134459	18.521	ug/l	100
85) sec-Butylbenzene	13.17	105	151817	18.140	ug/l	99
86) p-Isopropyltoluene	13.28	119	133055	17.854	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	66549	17.999	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	65386	17.579	ug/l	99
89) n-Butylbenzene	13.61	91	120354	17.367	ug/l	99
90) Hexachloroethane	13.87	117	20599	18.016	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	64131	18.174	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10208	19.446	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37257	17.838	ug/l	99
94) Hexachlorobutadiene	15.01	225	18157	16.899	ug/l	99
95) Naphthalene	15.13	128	111295	18.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36592	18.180	ug/l	100

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

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