

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059966.D
 Acq On : 3 Feb 2020 11:37
 Operator : JC/MD
 Sample : VN0203WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:25 AM

Quant Time: Feb 03 13:45:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	289804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103169	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	84132	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.08	98	319418	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.40	95	115325	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37537	16.750	ug/l	99
3) Chloromethane	2.04	50	37884	17.770	ug/l	100
4) Vinyl Chloride	2.17	62	47846	19.615	ug/l	97
5) Bromomethane	2.55	94	28929	19.434	ug/l	98
6) Chloroethane	2.69	64	22502	19.499	ug/l	94
7) Trichlorofluoromethane	3.00	101	55903	19.083	ug/l	91
8) Diethyl Ether	3.39	74	20634	20.071	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33532	20.567	ug/l	94
10) Methyl Iodide	3.93	142	41416	15.715	ug/l	95
11) Tert butyl alcohol	4.73	59	33487	96.192	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	31526	18.505	ug/l	89
13) Acrolein	3.58	56	12042	48.865	ug/l	97
14) Allyl chloride	4.30	41	49126	21.393	ug/l #	94
15) Acrylonitrile	4.95	53	79130	99.647	ug/l	99
16) Acetone	3.78	43	96940	132.747	ug/l	91
17) Carbon Disulfide	4.03	76	77520	15.973	ug/l	100
18) Methyl Acetate	4.29	43	49450	20.472	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	113200	20.379	ug/l	94
20) Methylene Chloride	4.53	84	36764	18.844	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	33896	18.717	ug/l	91
22) Diisopropyl ether	5.91	45	105080	20.193	ug/l	93
23) Vinyl Acetate	5.86	43	382368	94.902	ug/l	96
24) 1,1-Dichloroethane	5.82	63	63412	19.943	ug/l	98
25) 2-Butanone	6.80	43	115735	98.829	ug/l	93
26) 2,2-Dichloropropane	6.79	77	60562	19.812	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	41484	19.916	ug/l	91
28) Bromochloromethane	7.17	49	24591	19.350	ug/l #	75
29) Tetrahydrofuran	7.18	42	70008	96.621	ug/l	89
30) Chloroform	7.35	83	67889	20.606	ug/l	98
31) Cyclohexane	7.63	56	55080	18.002	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	60885	19.987	ug/l	97
36) 1,1-Dichloropropene	7.77	75	46861	18.568	ug/l	95
37) Ethyl Acetate	6.90	43	45694	19.304	ug/l	99
38) Carbon Tetrachloride	7.75	117	53690	19.557	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56129	18.037	ug/l	93
40) Benzene	8.02	78	144530	19.202	ug/l	100
41) Methacrylonitrile	7.15	41	21458m	18.405	ug/l	
42) 1,2-Dichloroethane	8.10	62	53393	20.923	ug/l	98
43) Isopropyl Acetate	8.14	43	77797	19.108	ug/l	96
44) Trichloroethene	8.82	130	41973	20.428	ug/l	98
45) 1,2-Dichloropropane	9.10	63	37305	20.030	ug/l	98
46) Dibromomethane	9.19	93	26755	20.365	ug/l	93
47) Bromodichloromethane	9.39	83	54926	20.746	ug/l	98
48) Methyl methacrylate	9.18	41	33014	18.128	ug/l	90
49) 1,4-Dioxane	9.18	88	13015	390.393	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	224894	95.555	ug/l	95
52) Toluene	10.14	92	93144	19.592	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	60061	20.317	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63611	20.451	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	38115	20.242	ug/l	98
56) Ethyl methacrylate	10.42	69	53417	18.566	ug/l	93
57) 1,3-Dichloropropane	10.70	76	61668	20.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	86729	100.080	ug/l	92
59) 2-Hexanone	10.74	43	168193	97.005	ug/l	94
60) Dibromochloromethane	10.89	129	43718	20.389	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39258	19.892	ug/l	99
64) Tetrachloroethene	10.62	164	46296	21.429	ug/l	97
65) Chlorobenzene	11.43	112	103329	19.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40763	20.248	ug/l	97
67) Ethyl Benzene	11.51	91	182873	19.335	ug/l	99
68) m/p-Xylenes	11.62	106	136499	38.205	ug/l	96
69) o-Xylene	11.94	106	66877	19.120	ug/l	95
70) Styrene	11.96	104	108198	18.486	ug/l	97
71) Bromoform	12.12	173	31933	19.802	ug/l #	99
73) Isopropylbenzene	12.25	105	181270	19.578	ug/l	99
74) N-amyl acetate	12.07	43	64095	17.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	51937	19.350	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	49739m	23.411	ug/l	
77) Bromobenzene	12.52	156	45667	19.477	ug/l	84
78) n-propylbenzene	12.59	91	202920	19.527	ug/l	98
79) 2-Chlorotoluene	12.67	91	119361	19.307	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	149707	19.226	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18336	18.534	ug/l	95
82) 4-Chlorotoluene	12.77	91	122048	19.682	ug/l	97
83) tert-Butylbenzene	12.99	119	130617	19.395	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	148579	19.287	ug/l	97
85) sec-Butylbenzene	13.17	105	173350	19.592	ug/l	99
86) p-Isopropyltoluene	13.29	119	157203	19.201	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	80379	19.736	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78610	19.348	ug/l	96
89) n-Butylbenzene	13.61	91	136206	19.512	ug/l	99
90) Hexachloroethane	13.87	117	29033	18.954	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	79433	19.728	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11324	18.333	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46697	19.301	ug/l	99
94) Hexachlorobutadiene	15.01	225	26074	19.557	ug/l	98
95) Naphthalene	15.13	128	124130	18.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45940	19.508	ug/l	99

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

