

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060665.D
 Acq On : 24 Mar 2020 12:34
 Operator : JC/MD
 Sample : VN0324WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2020 10:20:16 PM

Quant Time: Mar 25 09:00:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	315557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132174	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.56	113	95474	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.08	98	385586	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	138663	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36213	19.508	ug/l	99
3) Chloromethane	2.04	50	63175	18.222	ug/l	98
4) Vinyl Chloride	2.16	62	49266	18.168	ug/l	99
5) Bromomethane	2.54	94	24644	21.053	ug/l	97
6) Chloroethane	2.68	64	29587	18.941	ug/l	94
7) Trichlorofluoromethane	3.00	101	64650	19.354	ug/l	99
8) Diethyl Ether	3.38	74	27902	20.793	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39122	20.212	ug/l	100
10) Methyl Iodide	3.93	142	34478	20.018	ug/l	99
11) Tert butyl alcohol	4.72	59	41779	107.867	ug/l	99
12) 1,1-Dichloroethene	3.71	96	39049	18.800	ug/l	100
13) Acrolein	3.57	56	48632	113.292	ug/l	99
14) Allyl chloride	4.29	41	71401	19.545	ug/l	98
15) Acrylonitrile	4.94	53	115747	101.626	ug/l	99
16) Acetone	3.78	43	104573	112.098	ug/l	100
17) Carbon Disulfide	4.03	76	118351	18.735	ug/l	100
18) Methyl Acetate	4.28	43	54269	20.668	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	140935	19.735	ug/l	94
20) Methylene Chloride	4.52	84	45602	19.872	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	42815	19.341	ug/l	99
22) Diisopropyl ether	5.91	45	158019	20.474	ug/l	98
23) Vinyl Acetate	5.85	43	649422	103.128	ug/l	99
24) 1,1-Dichloroethane	5.81	63	83581	19.865	ug/l	99
25) 2-Butanone	6.79	43	156208	103.480	ug/l	99
26) 2,2-Dichloropropane	6.79	77	70491	21.294	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	49200	19.558	ug/l	98
28) Bromochloromethane	7.16	49	40597	20.167	ug/l	98
29) Tetrahydrofuran	7.17	42	105788	99.046	ug/l	99
30) Chloroform	7.34	83	79632	19.743	ug/l	100
31) Cyclohexane	7.63	56	80644	19.012	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	66545	19.138	ug/l	98
36) 1,1-Dichloropropene	7.77	75	61688	20.189	ug/l	99
37) Ethyl Acetate	6.89	43	66437	20.123	ug/l	99
38) Carbon Tetrachloride	7.75	117	53404	19.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72543	19.978	ug/l	98
40) Benzene	8.02	78	186024	20.167	ug/l	99
41) Methacrylonitrile	7.14	41	29316m	20.806	ug/l	
42) 1,2-Dichloroethane	8.10	62	66177	20.993	ug/l	99
43) Isopropyl Acetate	8.14	43	110705	20.332	ug/l	100
44) Trichloroethene	8.81	130	47899	20.599	ug/l	97
45) 1,2-Dichloropropane	9.10	63	50532	20.762	ug/l	97
46) Dibromomethane	9.19	93	30480	20.714	ug/l	99
47) Bromodichloromethane	9.38	83	61635	20.157	ug/l	98
48) Methyl methacrylate	9.18	41	47896	19.757	ug/l	99
49) 1,4-Dioxane	9.18	88	14255	494.704	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	320625	103.479	ug/l	100
52) Toluene	10.14	92	112718	20.234	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	73317	20.874	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	79251	20.568	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	43953	20.509	ug/l	98
56) Ethyl methacrylate	10.42	69	66365	19.860	ug/l	98
57) 1,3-Dichloropropane	10.70	76	76611	20.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	173522	104.480	ug/l	100
59) 2-Hexanone	10.74	43	230231	103.152	ug/l	99
60) Dibromochloromethane	10.89	129	44379	20.047	ug/l	100
61) 1,2-Dibromoethane	10.99	107	44502	20.650	ug/l	99
64) Tetrachloroethene	10.62	164	45994	20.425	ug/l	99
65) Chlorobenzene	11.42	112	114709	20.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41473	20.192	ug/l	100
67) Ethyl Benzene	11.50	91	213171	20.207	ug/l	100
68) m/p-Xylenes	11.61	106	156981	40.044	ug/l	99
69) o-Xylene	11.94	106	75071	20.060	ug/l	98
70) Styrene	11.96	104	121445	19.842	ug/l	100
71) Bromoform	12.12	173	31696	19.624	ug/l #	99
73) Isopropylbenzene	12.24	105	200951	20.134	ug/l	100
74) N-amyl acetate	12.06	43	92473	20.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61212	20.280	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	55448m	19.321	ug/l	
77) Bromobenzene	12.52	156	48267	20.069	ug/l	100
78) n-propylbenzene	12.59	91	235276	19.953	ug/l	100
79) 2-Chlorotoluene	12.67	91	139878	19.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	168270	19.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22164	19.835	ug/l	97
82) 4-Chlorotoluene	12.77	91	143541	20.003	ug/l	100
83) tert-Butylbenzene	12.99	119	139282	19.837	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	168926	20.159	ug/l	99
85) sec-Butylbenzene	13.17	105	187592	19.868	ug/l	100
86) p-Isopropyltoluene	13.28	119	169274	19.937	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	86402	20.369	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	86060	20.194	ug/l	98
89) n-Butylbenzene	13.61	91	153428	20.016	ug/l	99
90) Hexachloroethane	13.87	117	23011	18.646	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	82909	20.441	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12460	19.546	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50514	20.281	ug/l	99
94) Hexachlorobutadiene	15.01	225	25094	20.552	ug/l	98
95) Naphthalene	15.13	128	153922	20.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50021	20.389	ug/l	100

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

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