

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060516.D
 Acq On : 16 Mar 2020 12:24
 Operator : JC/MD
 Sample : VN0316WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 11:48:14 AM

Quant Time: Mar 17 09:10:08 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	206544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128985	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.56	113	98449	62.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.08%	
50) Toluene-d8	10.08	98	379099	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.40	95	140634	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28643	15.125	ug/l	97
3) Chloromethane	2.03	50	51451	15.606	ug/l	99
4) Vinyl Chloride	2.16	62	42530	15.041	ug/l	97
5) Bromomethane	2.54	94	19846	15.793	ug/l	99
6) Chloroethane	2.68	64	26063	17.013	ug/l	92
7) Trichlorofluoromethane	3.00	101	60465	16.737	ug/l	98
8) Diethyl Ether	3.38	74	25066	18.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37180	18.185	ug/l	99
10) Methyl Iodide	3.93	142	27852	14.927	ug/l	98
11) Tert butyl alcohol	4.72	59	38111	96.854	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	35592	17.887	ug/l	99
13) Acrolein	3.58	56	30614	83.396	ug/l	99
14) Allyl chloride	4.29	41	63798	17.437	ug/l	95
15) Acrylonitrile	4.94	53	105197	101.428	ug/l	99
16) Acetone	3.78	43	96218	112.435	ug/l	99
17) Carbon Disulfide	4.03	76	83419	15.353	ug/l	99
18) Methyl Acetate	4.28	43	55998	19.608	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	138042	19.161	ug/l	98
20) Methylene Chloride	4.52	84	43048	18.317	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	38379	17.727	ug/l	97
22) Diisopropyl ether	5.91	45	150864	20.357	ug/l	95
23) Vinyl Acetate	5.85	43	581257	98.703	ug/l	98
24) 1,1-Dichloroethane	5.81	63	80446	19.176	ug/l	100
25) 2-Butanone	6.80	43	144221	104.337	ug/l	99
26) 2,2-Dichloropropane	6.79	77	71253	18.657	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47325	17.366	ug/l	97
28) Bromochloromethane	7.17	49	32498	18.868	ug/l	94
29) Tetrahydrofuran	7.18	42	94243	98.048	ug/l	98
30) Chloroform	7.34	83	80066	19.172	ug/l	99
31) Cyclohexane	7.63	56	68166	18.188	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	67235	18.171	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57025	17.642	ug/l	99
37) Ethyl Acetate	6.89	43	61444	20.076	ug/l	98
38) Carbon Tetrachloride	7.75	117	52432	16.661	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62976	16.525	ug/l	97
40) Benzene	8.02	78	172825	18.371	ug/l	100
41) Methacrylonitrile	7.14	41	25500	18.045	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62760	18.487	ug/l	99
43) Isopropyl Acetate	8.14	43	105438	19.679	ug/l	99
44) Trichloroethene	8.81	130	45518	17.373	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49256	20.025	ug/l	100
46) Dibromomethane	9.19	93	28737	18.006	ug/l	99
47) Bromodichloromethane	9.38	83	61436	18.927	ug/l	98
48) Methyl methacrylate	9.18	41	44489	18.208	ug/l	96
49) 1,4-Dioxane	9.17	88	13781	401.079	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	303338	99.851	ug/l	99
52) Toluene	10.14	92	105742	17.893	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	71297	17.925	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76884	18.655	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	44659	18.792	ug/l	99
56) Ethyl methacrylate	10.42	69	63883	18.711	ug/l	98
57) 1,3-Dichloropropane	10.70	76	75344	19.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	159789	89.485	ug/l	99
59) 2-Hexanone	10.74	43	218197	97.824	ug/l	100
60) Dibromochloromethane	10.89	129	45316	18.750	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41888	18.081	ug/l	99
64) Tetrachloroethene	10.62	164	44479	17.580	ug/l	99
65) Chlorobenzene	11.43	112	111257	18.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42694	18.724	ug/l	100
67) Ethyl Benzene	11.50	91	204855	18.241	ug/l	100
68) m/p-Xylenes	11.61	106	151464	35.746	ug/l	98
69) o-Xylene	11.94	106	74527	18.445	ug/l	99
70) Styrene	11.96	104	116786	17.580	ug/l	100
71) Bromoform	12.12	173	30937	18.825	ug/l #	100
73) Isopropylbenzene	12.24	105	199992	19.012	ug/l	100
74) N-amyl acetate	12.06	43	87970	19.138	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	59427	20.784	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55901m	17.953	ug/l	
77) Bromobenzene	12.52	156	47321	18.352	ug/l	96
78) n-propylbenzene	12.59	91	231634	18.786	ug/l	99
79) 2-Chlorotoluene	12.67	91	138317	19.084	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	166784	18.832	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	22204	19.685	ug/l #	85
82) 4-Chlorotoluene	12.77	91	141284	18.502	ug/l	97
83) tert-Butylbenzene	12.99	119	141387	18.439	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165514	18.515	ug/l	100
85) sec-Butylbenzene	13.17	105	189161	18.422	ug/l	100
86) p-Isopropyltoluene	13.28	119	169019	17.784	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84435	18.939	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	83831	18.814	ug/l	99
89) n-Butylbenzene	13.61	91	152333	17.461	ug/l	99
90) Hexachloroethane	13.87	117	24079	17.504	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	82223	18.198	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12021	18.565	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	50242	17.558	ug/l	99
94) Hexachlorobutadiene	15.01	225	25507	18.973	ug/l	97
95) Naphthalene	15.13	128	140272	16.406	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46830	17.201	ug/l	98

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

