

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060146.D
 Acq On : 19 Feb 2020 11:19
 Operator : JC/MD
 Sample : VN0219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:22 AM

Quant Time: Feb 20 02:44:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	301794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	113663	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.56	113	90286	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.08	98	354519	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.40	95	127079	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37794	19.511	ug/l	98
3) Chloromethane	2.04	50	43943	19.063	ug/l	98
4) Vinyl Chloride	2.17	62	50712	19.300	ug/l	97
5) Bromomethane	2.55	94	31398	19.488	ug/l	97
6) Chloroethane	2.69	64	24613	18.520	ug/l	98
7) Trichlorofluoromethane	3.00	101	63658	18.791	ug/l	100
8) Diethyl Ether	3.38	74	22085	19.585	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36536	19.426	ug/l	98
10) Methyl Iodide	3.93	142	46581	20.001	ug/l	99
11) Tert butyl alcohol	4.73	59	33267	94.273	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35651	19.458	ug/l	98
13) Acrolein	3.58	56	24032	68.899	ug/l	100
14) Allyl chloride	4.30	41	49843	18.483	ug/l	99
15) Acrylonitrile	4.94	53	83174	96.514	ug/l	98
16) Acetone	3.78	43	88866	86.395	ug/l	100
17) Carbon Disulfide	4.03	76	99356	17.991	ug/l	99
18) Methyl Acetate	4.29	43	38780	20.070	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	116087	18.840	ug/l	99
20) Methylene Chloride	4.52	84	38904	18.958	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	37471	18.761	ug/l	98
22) Diisopropyl ether	5.91	45	114146	19.313	ug/l	99
23) Vinyl Acetate	5.86	43	474126	95.528	ug/l	99
24) 1,1-Dichloroethane	5.82	63	69464	19.402	ug/l	99
25) 2-Butanone	6.80	43	116679	90.194	ug/l	98
26) 2,2-Dichloropropane	6.80	77	65175	19.165	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44478	19.029	ug/l	99
28) Bromochloromethane	7.17	49	26544	18.858	ug/l	99
29) Tetrahydrofuran	7.18	42	74286	93.603	ug/l	99
30) Chloroform	7.35	83	72330	19.286	ug/l	97
31) Cyclohexane	7.63	56	64505	19.341	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65580	19.135	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53514	19.144	ug/l	99
37) Ethyl Acetate	6.90	43	49185	19.469	ug/l	98
38) Carbon Tetrachloride	7.75	117	57307	18.877	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	65946	19.005	ug/l	98
40) Benzene	8.02	78	157393	18.981	ug/l	100
41) Methacrylonitrile	7.15	41	21581m	20.369	ug/l	
42) 1,2-Dichloroethane	8.10	62	56860	19.565	ug/l	100
43) Isopropyl Acetate	8.14	43	82175	19.028	ug/l	99
44) Trichloroethene	8.82	130	43635	19.005	ug/l	99
45) 1,2-Dichloropropane	9.10	63	40980	19.962	ug/l	99
46) Dibromomethane	9.19	93	28005	19.304	ug/l	97
47) Bromodichloromethane	9.39	83	56469	19.146	ug/l	99
48) Methyl methacrylate	9.18	41	35057	18.093	ug/l	98
49) 1,4-Dioxane	9.18	88	13386	404.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	239963	95.998	ug/l	100
52) Toluene	10.14	92	101683	19.123	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64073	19.246	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	67042	19.124	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	40023	19.293	ug/l	98
56) Ethyl methacrylate	10.42	69	55306	18.846	ug/l	97
57) 1,3-Dichloropropane	10.70	76	66626	19.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	133580	97.709	ug/l	99
59) 2-Hexanone	10.74	43	176932	91.631	ug/l	99
60) Dibromochloromethane	10.89	129	44523	18.703	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40915	18.815	ug/l	97
64) Tetrachloroethene	10.62	164	41557	19.225	ug/l	98
65) Chlorobenzene	11.43	112	108900	18.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41445	18.911	ug/l	99
67) Ethyl Benzene	11.50	91	197526	18.905	ug/l	100
68) m/p-Xylenes	11.62	106	147110	37.514	ug/l	99
69) o-Xylene	11.94	106	70630	18.706	ug/l	100
70) Styrene	11.96	104	112298	18.444	ug/l	99
71) Bromoform	12.12	173	32288	18.317	ug/l #	97
73) Isopropylbenzene	12.25	105	191744	18.893	ug/l	99
74) N-amyl acetate	12.07	43	67744	18.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55443	18.980	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	50446m	19.401	ug/l	
77) Bromobenzene	12.52	156	48502	19.258	ug/l	99
78) n-propylbenzene	12.59	91	217766	18.833	ug/l	100
79) 2-Chlorotoluene	12.67	91	128166	18.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	160788	19.055	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19244	18.121	ug/l	96
82) 4-Chlorotoluene	12.77	91	131871	18.912	ug/l	99
83) tert-Butylbenzene	12.99	119	140332	18.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	160262	19.240	ug/l	100
85) sec-Butylbenzene	13.17	105	186245	18.840	ug/l	100
86) p-Isopropyltoluene	13.28	119	169615	18.937	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84000	18.842	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	84339	18.921	ug/l	99
89) n-Butylbenzene	13.61	91	147061	18.667	ug/l	99
90) Hexachloroethane	13.87	117	31134	18.606	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	83068	19.039	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11824	18.551	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46962	18.319	ug/l	98
94) Hexachlorobutadiene	15.01	225	27250	18.157	ug/l	99
95) Naphthalene	15.13	128	122136	17.637	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47107	18.452	ug/l	99

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

