

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060874.D
 Acq On : 7 Apr 2020 14:10
 Operator : JC/MD
 Sample : VN0407WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:08 AM

Quant Time: Apr 08 07:53:52 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	200165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	328869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133695	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.56	113	101256	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.08	98	401805	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	147340	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32840	16.956	ug/l	99
3) Chloromethane	2.04	50	57570	15.915	ug/l	98
4) Vinyl Chloride	2.17	62	47264	16.705	ug/l	99
5) Bromomethane	2.55	94	24493	20.054	ug/l	100
6) Chloroethane	2.69	64	29909	18.351	ug/l	98
7) Trichlorofluoromethane	3.00	101	64556	18.523	ug/l	99
8) Diethyl Ether	3.38	74	27256	19.467	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39718	19.667	ug/l	100
10) Methyl Iodide	3.93	142	30829	17.156	ug/l	99
11) Tert butyl alcohol	4.72	59	35738	88.435	ug/l	98
12) 1,1-Dichloroethene	3.72	96	39264	18.118	ug/l	96
13) Acrolein	3.58	56	25161	56.178	ug/l	97
14) Allyl chloride	4.29	41	71975	18.883	ug/l	96
15) Acrylonitrile	4.94	53	109150	91.851	ug/l	100
16) Acetone	3.78	43	93790	96.360	ug/l	96
17) Carbon Disulfide	4.03	76	109257	16.577	ug/l	99
18) Methyl Acetate	4.28	43	52947	19.326	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	141298	18.964	ug/l	98
20) Methylene Chloride	4.52	84	44497	18.584	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	42297	18.313	ug/l	97
22) Diisopropyl ether	5.91	45	160701	19.956	ug/l	97
23) Vinyl Acetate	5.86	43	639641	97.353	ug/l	99
24) 1,1-Dichloroethane	5.81	63	85210	19.410	ug/l	99
25) 2-Butanone	6.80	43	144596	91.806	ug/l	98
26) 2,2-Dichloropropane	6.79	77	72227	20.912	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49798	18.973	ug/l	98
28) Bromochloromethane	7.17	49	42747	20.353	ug/l	98
29) Tetrahydrofuran	7.18	42	98136	88.063	ug/l	98
30) Chloroform	7.35	83	81996	19.484	ug/l	99
31) Cyclohexane	7.63	56	80473	18.183	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	69348	19.115	ug/l	99
36) 1,1-Dichloropropene	7.77	75	62060	19.488	ug/l	99
37) Ethyl Acetate	6.89	43	62912	18.284	ug/l	99
38) Carbon Tetrachloride	7.75	117	54714	19.170	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73984	19.550	ug/l	98
40) Benzene	8.02	78	186263	19.376	ug/l	100
41) Methacrylonitrile	7.15	41	32003m	21.793	ug/l	
42) 1,2-Dichloroethane	8.10	62	64101	19.511	ug/l	100
43) Isopropyl Acetate	8.14	43	107746	18.987	ug/l	99
44) Trichloroethene	8.82	130	47141	19.453	ug/l	95
45) 1,2-Dichloropropane	9.10	63	52078	20.531	ug/l	97
46) Dibromomethane	9.19	93	30154	19.663	ug/l	99
47) Bromodichloromethane	9.38	83	63296	19.863	ug/l	98
48) Methyl methacrylate	9.18	41	47305	18.723	ug/l	98
49) 1,4-Dioxane	9.18	88	11964	398.391	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	304876	94.414	ug/l	99
52) Toluene	10.14	92	114235	19.676	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	73476	20.073	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	79492	19.795	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43632	19.535	ug/l	99
56) Ethyl methacrylate	10.42	69	66033	18.961	ug/l	99
57) 1,3-Dichloropropane	10.70	76	76560	19.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	151153	87.327	ug/l	99
59) 2-Hexanone	10.74	43	213875	91.945	ug/l	99
60) Dibromochloromethane	10.89	129	45703	19.810	ug/l	100
61) 1,2-Dibromoethane	10.99	107	43452	19.347	ug/l	100
64) Tetrachloroethene	10.62	164	44726	19.003	ug/l	98
65) Chlorobenzene	11.43	112	115275	19.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42897	19.982	ug/l	99
67) Ethyl Benzene	11.50	91	217587	19.733	ug/l	99
68) m/p-Xylenes	11.62	106	159733	38.984	ug/l	99
69) o-Xylene	11.94	106	76233	19.489	ug/l	98
70) Styrene	11.96	104	123081	19.240	ug/l	100
71) Bromoform	12.12	173	31431	18.704	ug/l #	99
73) Isopropylbenzene	12.24	105	208446	19.437	ug/l	100
74) N-amyl acetate	12.06	43	88226	17.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61742	19.038	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56618m	18.362	ug/l	
77) Bromobenzene	12.52	156	64817	25.083	ug/l	70
78) n-propylbenzene	12.59	91	247745	19.554	ug/l	98
79) 2-Chlorotoluene	12.67	91	144144	19.041	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	175346	19.267	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21304	17.745	ug/l	98
82) 4-Chlorotoluene	12.77	91	148604	19.274	ug/l	99
83) tert-Butylbenzene	12.99	119	148024	19.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	175667	19.511	ug/l	100
85) sec-Butylbenzene	13.17	105	202550	19.966	ug/l	100
86) p-Isopropyltoluene	13.28	119	181551	19.902	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	88213	19.355	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87009	19.002	ug/l	98
89) n-Butylbenzene	13.61	91	167846	20.379	ug/l	99
90) Hexachloroethane	13.87	117	27662	20.861	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86203	19.781	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11779	17.165	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53054	19.824	ug/l	98
94) Hexachlorobutadiene	15.01	225	28396	21.644	ug/l	98
95) Naphthalene	15.13	128	144649	17.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50914	19.315	ug/l	99

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

