

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\
 Data File : VN060708.D
 Acq On : 26 Mar 2020 12:35
 Operator : JC/MD
 Sample : VN0326WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:11:13 AM

Quant Time: Mar 27 06:43:38 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	201754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	330832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133722	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.56	113	99914	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.08	98	399882	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.39	95	143937	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35540	18.206	ug/l	99
3) Chloromethane	2.04	50	61000	16.731	ug/l	99
4) Vinyl Chloride	2.17	62	47519	16.663	ug/l	99
5) Bromomethane	2.55	94	23884	19.401	ug/l	99
6) Chloroethane	2.69	64	30185	18.375	ug/l	97
7) Trichlorofluoromethane	3.00	101	63756	18.149	ug/l	100
8) Diethyl Ether	3.38	74	26213	18.575	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38639	18.982	ug/l	99
10) Methyl Iodide	3.93	142	33153	18.304	ug/l	99
11) Tert butyl alcohol	4.72	59	36778	90.292	ug/l	98
12) 1,1-Dichloroethene	3.72	96	38771	17.749	ug/l	99
13) Acrolein	3.57	56	35094	77.739	ug/l	99
14) Allyl chloride	4.29	41	69126	17.993	ug/l	100
15) Acrylonitrile	4.94	53	108111	90.260	ug/l	98
16) Acetone	3.78	43	104857	106.882	ug/l	99
17) Carbon Disulfide	4.03	76	113608	17.101	ug/l	100
18) Methyl Acetate	4.28	43	50405	18.253	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	135085	17.987	ug/l	97
20) Methylene Chloride	4.52	84	44349	18.376	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	41515	17.832	ug/l	97
22) Diisopropyl ether	5.91	45	152629	18.805	ug/l	99
23) Vinyl Acetate	5.86	43	620198	93.651	ug/l	100
24) 1,1-Dichloroethane	5.82	63	82949	18.747	ug/l	100
25) 2-Butanone	6.79	43	149845	94.389	ug/l	98
26) 2,2-Dichloropropane	6.79	77	71556	20.554	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	48143	18.198	ug/l	98
28) Bromochloromethane	7.17	49	40402	19.085	ug/l	99
29) Tetrahydrofuran	7.18	42	98732	87.900	ug/l	99
30) Chloroform	7.34	83	77824	18.347	ug/l	100
31) Cyclohexane	7.63	56	80939	18.144	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	66820	18.273	ug/l	98
36) 1,1-Dichloropropene	7.77	75	60521	18.892	ug/l	99
37) Ethyl Acetate	6.89	43	61657	17.813	ug/l	99
38) Carbon Tetrachloride	7.75	117	52939	18.438	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72668	19.088	ug/l	98
40) Benzene	8.02	78	182372	18.859	ug/l	100
41) Methacrylonitrile	7.14	41	26881m	18.197	ug/l	
42) 1,2-Dichloroethane	8.10	62	62251	18.836	ug/l	100
43) Isopropyl Acetate	8.14	43	105545	18.489	ug/l	99
44) Trichloroethene	8.81	130	46898	19.238	ug/l	98
45) 1,2-Dichloropropane	9.10	63	49589	19.433	ug/l	99
46) Dibromomethane	9.19	93	28959	18.772	ug/l	99
47) Bromodichloromethane	9.38	83	60144	18.762	ug/l	99
48) Methyl methacrylate	9.18	41	44718	17.594	ug/l	100
49) 1,4-Dioxane	9.18	88	13406	443.759	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	300079	92.377	ug/l	99
52) Toluene	10.14	92	109212	18.700	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	70617	19.177	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	76883	19.032	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	43060	19.165	ug/l	97
56) Ethyl methacrylate	10.42	69	63131	18.020	ug/l	97
57) 1,3-Dichloropropane	10.70	76	73035	18.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	155034	89.038	ug/l	100
59) 2-Hexanone	10.74	43	217362	92.889	ug/l	99
60) Dibromochloromethane	10.89	129	43246	18.633	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42268	18.708	ug/l	98
64) Tetrachloroethene	10.62	164	44633	18.886	ug/l	98
65) Chlorobenzene	11.42	112	112715	18.933	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40420	18.752	ug/l	98
67) Ethyl Benzene	11.50	91	207868	18.775	ug/l	99
68) m/p-Xylenes	11.61	106	154354	37.518	ug/l	99
69) o-Xylene	11.94	106	74502	18.969	ug/l	98
70) Styrene	11.96	104	115564	17.991	ug/l	99
71) Bromoform	12.12	173	29784	17.746	ug/l #	99
73) Isopropylbenzene	12.24	105	199037	19.000	ug/l	100
74) N-amyl acetate	12.06	43	87116	17.996	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58380	18.428	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	57643m	19.137	ug/l	
77) Bromobenzene	12.52	156	46653	18.481	ug/l	97
78) n-propylbenzene	12.58	91	231503	18.705	ug/l	99
79) 2-Chlorotoluene	12.67	91	136509	18.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	166375	18.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21233	18.104	ug/l	98
82) 4-Chlorotoluene	12.77	91	140358	18.636	ug/l	99
83) tert-Butylbenzene	12.99	119	141524	19.204	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	167007	18.989	ug/l	100
85) sec-Butylbenzene	13.17	105	187596	18.930	ug/l	100
86) p-Isopropyltoluene	13.28	119	169185	18.985	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82498	18.530	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	82709	18.491	ug/l	98
89) n-Butylbenzene	13.61	91	152392	18.941	ug/l	99
90) Hexachloroethane	13.87	117	23398	18.063	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79252	18.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11468	17.107	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49252	18.840	ug/l	98
94) Hexachlorobutadiene	15.00	225	25673	20.032	ug/l	97
95) Naphthalene	15.13	128	139577	17.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47340	18.384	ug/l	99

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

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