

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060491.D
 Acq On : 13 Mar 2020 10:43
 Operator : JC/MD
 Sample : VN0313WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:04:46 PM

Quant Time: Mar 16 07:44:15 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	201496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123215	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.56	113	92283	60.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.62%	
50) Toluene-d8	10.08	98	355557	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	133828	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	26587	14.392	ug/l	97
3) Chloromethane	2.03	50	50083	15.571	ug/l	99
4) Vinyl Chloride	2.16	62	40517	14.688	ug/l	100
5) Bromomethane	2.55	94	18027	14.531	ug/l	98
6) Chloroethane	2.68	64	23592	15.785	ug/l	97
7) Trichlorofluoromethane	3.00	101	56141	15.930	ug/l	96
8) Diethyl Ether	3.38	74	22518	16.923	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34808	17.452	ug/l	99
10) Methyl Iodide	3.93	142	23065	12.671	ug/l	98
11) Tert butyl alcohol	4.73	59	38152	99.387	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33403	17.205	ug/l	99
13) Acrolein	3.58	56	32929	91.950	ug/l	98
14) Allyl chloride	4.29	41	58757	16.462	ug/l	96
15) Acrylonitrile	4.94	53	100155	98.986	ug/l	99
16) Acetone	3.78	43	87321	104.595	ug/l	98
17) Carbon Disulfide	4.03	76	77879	14.662	ug/l	100
18) Methyl Acetate	4.29	43	52986	19.018	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	127487	18.139	ug/l	100
20) Methylene Chloride	4.52	84	39119	17.062	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34527	16.314	ug/l	99
22) Diisopropyl ether	5.91	45	134618	18.620	ug/l	96
23) Vinyl Acetate	5.86	43	542864	94.493	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73621	17.989	ug/l	99
25) 2-Butanone	6.80	43	136938	101.550	ug/l	98
26) 2,2-Dichloropropane	6.79	77	67113	18.013	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44153	16.608	ug/l	99
28) Bromochloromethane	7.17	49	32127	19.120	ug/l	96
29) Tetrahydrofuran	7.18	42	91867	97.970	ug/l	98
30) Chloroform	7.35	83	74996	18.408	ug/l	99
31) Cyclohexane	7.63	56	63450	17.291	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	63550	17.606	ug/l	100
36) 1,1-Dichloropropene	7.77	75	52088	16.718	ug/l	99
37) Ethyl Acetate	6.90	43	59689	20.232	ug/l	98
38) Carbon Tetrachloride	7.75	117	50375	16.606	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58552	15.939	ug/l	98
40) Benzene	8.02	78	161012	17.755	ug/l	100
41) Methacrylonitrile	7.14	41	22503m	16.520	ug/l	
42) 1,2-Dichloroethane	8.10	62	59217	18.096	ug/l	99
43) Isopropyl Acetate	8.14	43	100656	19.489	ug/l	98
44) Trichloroethene	8.82	130	42148	16.688	ug/l	96
45) 1,2-Dichloropropane	9.10	63	44989	18.975	ug/l	100
46) Dibromomethane	9.19	93	27276	17.730	ug/l	100
47) Bromodichloromethane	9.38	83	58945	18.839	ug/l	100
48) Methyl methacrylate	9.18	41	42604	18.089	ug/l	99
49) 1,4-Dioxane	9.18	88	13063	394.409	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	294162	100.454	ug/l	99
52) Toluene	10.14	92	99284	17.429	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	64895	16.926	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	71100	17.897	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40254	17.572	ug/l	97
56) Ethyl methacrylate	10.42	69	60776	18.467	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69853	18.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	151640	88.099	ug/l	99
59) 2-Hexanone	10.74	43	208267	96.866	ug/l	100
60) Dibromochloromethane	10.89	129	42748	18.350	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40280	18.038	ug/l	95
64) Tetrachloroethene	10.62	164	41520	16.647	ug/l	99
65) Chlorobenzene	11.43	112	102658	16.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40189	17.956	ug/l	99
67) Ethyl Benzene	11.50	91	191569	17.378	ug/l	99
68) m/p-Xylenes	11.62	106	140815	33.856	ug/l	100
69) o-Xylene	11.94	106	67584	17.040	ug/l	97
70) Styrene	11.96	104	110164	16.894	ug/l	99
71) Bromoform	12.12	173	29174	18.085	ug/l #	99
73) Isopropylbenzene	12.25	105	186719	17.910	ug/l	100
74) N-amyl acetate	12.06	43	82828	18.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57877	20.423	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	53433m	17.314	ug/l	
77) Bromobenzene	12.52	156	44638	17.467	ug/l	98
78) n-propylbenzene	12.59	91	217075	17.763	ug/l	99
79) 2-Chlorotoluene	12.67	91	127327	17.725	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	155726	17.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20901	18.696	ug/l #	85
82) 4-Chlorotoluene	12.77	91	130692	17.268	ug/l	98
83) tert-Butylbenzene	12.99	119	132865	17.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	156159	17.625	ug/l	100
85) sec-Butylbenzene	13.17	105	177012	17.393	ug/l	100
86) p-Isopropyltoluene	13.28	119	159537	16.937	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78669	17.793	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77979	17.636	ug/l	99
89) n-Butylbenzene	13.61	91	143404	16.585	ug/l	99
90) Hexachloroethane	13.87	117	22281	16.342	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77266	17.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11606	18.085	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	46060	16.247	ug/l	99
94) Hexachlorobutadiene	15.01	225	23351	17.481	ug/l	99
95) Naphthalene	15.13	128	134396	15.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44544	16.501	ug/l	99

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

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