

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061014.D
 Acq On : 16 Apr 2020 16:18
 Operator : JC/MD
 Sample : VN0416WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:34 AM

Quant Time: Apr 17 04:27:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	163556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	272129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	98212	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.56	113	74801	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.08	98	269671	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
62) 4-Bromofluorobenzene	12.39	95	106654	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	39799	18.641	ug/l 98
3) Chloromethane	2.04	50	50220	17.312	ug/l 98
4) Vinyl Chloride	2.17	62	44021	18.261	ug/l 99
5) Bromomethane	2.55	94	22506	18.617	ug/l 98
6) Chloroethane	2.69	64	25923	18.642	ug/l 97
7) Trichlorofluoromethane	3.00	101	56366	18.781	ug/l 100
8) Diethyl Ether	3.38	74	23006	19.287	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32116	18.240	ug/l 97
10) Methyl Iodide	3.93	142	31306	20.154	ug/l 100
11) Tert butyl alcohol	4.72	59	34283	92.337	ug/l 100
12) 1,1-Dichloroethene	3.71	96	32774	18.311	ug/l 98
13) Acrolein	3.57	56	24736	78.905	ug/l 100
14) Allyl chloride	4.29	41	60004	17.719	ug/l 99
15) Acrylonitrile	4.94	53	94647	94.019	ug/l 100
16) Acetone	3.78	43	82929	90.037	ug/l 99
17) Carbon Disulfide	4.03	76	101710	18.160	ug/l 99
18) Methyl Acetate	4.28	43	54156	18.751	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	117872	18.887	ug/l 97
20) Methylene Chloride	4.52	84	37379	18.587	ug/l 99
21) trans-1,2-Dichloroethene	5.00	96	35334	18.458	ug/l 94
22) Diisopropyl ether	5.91	45	130061	18.492	ug/l 96
23) Vinyl Acetate	5.85	43	514342	93.256	ug/l 99
24) 1,1-Dichloroethane	5.81	63	70139	18.464	ug/l 100
25) 2-Butanone	6.79	43	127092	90.047	ug/l 97
26) 2,2-Dichloropropane	6.79	77	59259	18.736	ug/l 99
27) cis-1,2-Dichloroethene	6.79	96	40880	18.601	ug/l 99
28) Bromochloromethane	7.16	49	34367	19.709	ug/l 97
29) Tetrahydrofuran	7.17	42	86184	89.945	ug/l 98
30) Chloroform	7.34	83	66038	18.638	ug/l 100
31) Cyclohexane	7.63	56	68898	17.675	ug/l 95
32) 1,1,1-Trichloroethane	7.54	97	56790	18.530	ug/l 100
36) 1,1-Dichloropropene	7.76	75	51968	18.506	ug/l 99
37) Ethyl Acetate	6.89	43	55406	18.171	ug/l 99
38) Carbon Tetrachloride	7.75	117	42945	18.373	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62006	18.469	ug/l	96
40) Benzene	8.01	78	153783	18.460	ug/l	100
41) Methacrylonitrile	7.15	41	28930m	22.747	ug/l	
42) 1,2-Dichloroethane	8.10	62	56187	19.799	ug/l	100
43) Isopropyl Acetate	8.14	43	92170	18.586	ug/l	99
44) Trichloroethene	8.81	130	38181	18.240	ug/l	97
45) 1,2-Dichloropropane	9.10	63	41812	18.582	ug/l	97
46) Dibromomethane	9.19	93	25763	19.858	ug/l	98
47) Bromodichloromethane	9.38	83	52332	19.094	ug/l	98
48) Methyl methacrylate	9.18	41	39905	18.209	ug/l	100
49) 1,4-Dioxane	9.18	88	11641	391.034	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	266589	93.253	ug/l	100
52) Toluene	10.14	92	93072	18.623	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	61523	19.325	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	65539	18.868	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	36437	19.266	ug/l	100
56) Ethyl methacrylate	10.42	69	56029	18.839	ug/l	99
57) 1,3-Dichloropropane	10.70	76	64209	19.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	124044	91.789	ug/l	99
59) 2-Hexanone	10.74	43	191295	92.786	ug/l	100
60) Dibromochloromethane	10.89	129	36734	18.907	ug/l	99
61) 1,2-Dibromoethane	10.99	107	36682	19.034	ug/l	99
64) Tetrachloroethene	10.62	164	35974	19.175	ug/l	98
65) Chlorobenzene	11.42	112	94762	18.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	34200	18.887	ug/l	98
67) Ethyl Benzene	11.50	91	178102	18.708	ug/l	99
68) m/p-Xylenes	11.61	106	130267	37.862	ug/l	99
69) o-Xylene	11.94	106	62534	18.903	ug/l	99
70) Styrene	11.96	104	101498	19.058	ug/l	99
71) Bromoform	12.12	173	26044	19.269	ug/l #	99
73) Isopropylbenzene	12.24	105	167416	18.725	ug/l	100
74) N-amyl acetate	12.06	43	74929	18.021	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	52065	19.076	ug/l	98
76) 1,2,3-Trichloropropane	12.54	75	45877m	18.689	ug/l	
77) Bromobenzene	12.52	156	39661	18.999	ug/l	99
78) n-propylbenzene	12.58	91	198055	18.933	ug/l	100
79) 2-Chlorotoluene	12.67	91	115102	18.761	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	140617	19.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18122	18.209	ug/l	99
82) 4-Chlorotoluene	12.77	91	120247	18.898	ug/l	100
83) tert-Butylbenzene	12.99	119	117920	18.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	141680	19.394	ug/l	99
85) sec-Butylbenzene	13.16	105	158927	18.872	ug/l	100
86) p-Isopropyltoluene	13.28	119	142726	19.033	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	70045	18.828	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70933	18.952	ug/l	99
89) n-Butylbenzene	13.61	91	133710	19.175	ug/l	99
90) Hexachloroethane	13.87	117	21794	18.943	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	67808	19.097	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10386	19.662	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	42228	20.093	ug/l	99
94) Hexachlorobutadiene	15.00	225	21242	19.648	ug/l	99
95) Naphthalene	15.13	128	120633	19.682	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	40658	20.075	ug/l	99

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

