

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063013.D
 Acq On : 19 Aug 2020 15:03
 Operator : JC/MD
 Sample : VN0819WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 10:09:47 AM

Quant Time: Aug 19 15:41:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	184384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	282832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	105767	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.55	113	87359	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.06	98	327256	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.38	95	111458	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	43093	18.066	ug/l	100
3) Chloromethane	2.04	50	48910	19.346	ug/l	99
4) Vinyl Chloride	2.16	62	46875	19.172	ug/l	99
5) Bromomethane	2.52	94	29245	20.152	ug/l	97
6) Chloroethane	2.67	64	27730	19.210	ug/l	96
7) Trichlorofluoromethane	2.98	101	54489	17.871	ug/l	99
8) Diethyl Ether	3.37	74	18105	16.785	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	27703	16.862	ug/l	97
10) Methyl Iodide	3.91	142	35889	17.234	ug/l	99
11) Tert butyl alcohol	4.74	59	25924	83.751	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	25368	16.208	ug/l	98
13) Acrolein	3.57	56	5113	52.728	ug/l	95
14) Allyl chloride	4.28	41	45693	16.558	ug/l	99
15) Acrylonitrile	4.93	53	76956	84.587	ug/l	99
16) Acetone	3.78	43	61823	88.183	ug/l	96
17) Carbon Disulfide	4.01	76	71117	17.350	ug/l	99
18) Methyl Acetate	4.28	43	35460	16.328	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	96027	17.593	ug/l	98
20) Methylene Chloride	4.50	84	35652	17.640	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	28452	17.371	ug/l	98
22) Diisopropyl ether	5.91	45	116665	18.630	ug/l	97
23) Vinyl Acetate	5.85	43	355057	84.021	ug/l	100
24) 1,1-Dichloroethane	5.80	63	63700	18.203	ug/l	100
25) 2-Butanone	6.79	43	96427	83.114	ug/l	98
26) 2,2-Dichloropropane	6.77	77	45253	16.443	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	35554	17.318	ug/l	100
28) Bromochloromethane	7.15	49	35398	19.333	ug/l	98
29) Tetrahydrofuran	7.17	42	63938	85.390	ug/l	99
30) Chloroform	7.33	83	63455	18.005	ug/l	98
31) Cyclohexane	7.62	56	54699	16.983	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	49946	17.359	ug/l	100
36) 1,1-Dichloropropene	7.75	75	40025	16.058	ug/l	98
37) Ethyl Acetate	6.89	43	37229	15.941	ug/l	99
38) Carbon Tetrachloride	7.73	117	42508	16.893	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	47331	15.188	ug/l	97
40) Benzene	8.00	78	135267	17.111	ug/l	100
41) Methacrylonitrile	7.12	41	17729	15.933	ug/l	96
42) 1,2-Dichloroethane	8.09	62	47014	17.712	ug/l	99
43) Isopropyl Acetate	8.13	43	63812	16.492	ug/l	99
44) Trichloroethene	8.80	130	33052	16.809	ug/l	95
45) 1,2-Dichloropropane	9.09	63	40167	17.578	ug/l	97
46) Dibromomethane	9.18	93	23677	17.936	ug/l	99
47) Bromodichloromethane	9.37	83	50889	17.601	ug/l	99
48) Methyl methacrylate	9.17	41	29923	16.345	ug/l	96
49) 1,4-Dioxane	9.17	88	12413	318.710	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	204071	83.443	ug/l	98
52) Toluene	10.13	92	84125	17.641	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	50265	16.811	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	54445	16.600	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	36380	17.842	ug/l	99
56) Ethyl methacrylate	10.40	69	45213	15.598	ug/l	97
57) 1,3-Dichloropropane	10.68	76	58717	17.341	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	44377	67.332	ug/l	100
59) 2-Hexanone	10.72	43	138589	81.241	ug/l	97
60) Dibromochloromethane	10.87	129	38108	16.888	ug/l	99
61) 1,2-Dibromoethane	10.98	107	34158	17.434	ug/l	99
64) Tetrachloroethene	10.60	164	29308	16.813	ug/l	99
65) Chlorobenzene	11.41	112	91729	17.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	35481	17.128	ug/l	98
67) Ethyl Benzene	11.48	91	150398	16.713	ug/l	99
68) m/p-Xylenes	11.60	106	114728	34.302	ug/l	100
69) o-Xylene	11.92	106	53987	16.809	ug/l	98
70) Styrene	11.94	104	95879	16.388	ug/l	99
71) Bromoform	12.10	173	27494	16.675	ug/l #	99
73) Isopropylbenzene	12.23	105	144081	17.012	ug/l	100
74) N-amyl acetate	12.05	43	50675	16.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	51725	17.843	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	43316m	18.019	ug/l	
77) Bromobenzene	12.50	156	41521	17.826	ug/l	98
78) n-propylbenzene	12.57	91	167921	17.395	ug/l	100
79) 2-Chlorotoluene	12.65	91	105131	17.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	123150	17.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	14324	16.365	ug/l	92
82) 4-Chlorotoluene	12.75	91	107483	17.384	ug/l	99
83) tert-Butylbenzene	12.97	119	105226	17.414	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	117888	17.284	ug/l	100
85) sec-Butylbenzene	13.15	105	138470	16.956	ug/l	98
86) p-Isopropyltoluene	13.27	119	116690	16.399	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	68063	17.003	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	69214	17.035	ug/l	99
89) n-Butylbenzene	13.59	91	87376	15.008	ug/l	99
90) Hexachloroethane	13.85	117	25654	16.962	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	67292	17.403	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7548	17.696	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	25550	15.382	ug/l	99
94) Hexachlorobutadiene	14.98	225	22307	15.612	ug/l	98
95) Naphthalene	15.10	128	53212	15.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25847	15.291	ug/l	97

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

