

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061114.D
 Acq On : 20 Apr 2020 20:01
 Operator : JC/MD
 Sample : L2330-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MS

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:00:08 PM

Quant Time: Apr 21 06:36:36 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	146765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	252159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	229279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103950	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	91121	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	7.56	113	71502	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.08	98	256806	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
62) 4-Bromofluorobenzene	12.40	95	99611	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	90810	46.836	ug/l	100
3) Chloromethane	2.04	50	123849	47.579	ug/l	99
4) Vinyl Chloride	2.17	62	101353	46.854	ug/l	98
5) Bromomethane	2.55	94	51570	47.539	ug/l	96
6) Chloroethane	2.69	64	61887	49.596	ug/l	98
7) Trichlorofluoromethane	3.00	101	134097	49.794	ug/l	99
8) Diethyl Ether	3.38	74	51972	48.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74429	47.106	ug/l	99
10) Methyl Iodide	3.93	142	66806	47.928	ug/l	99
11) Tert butyl alcohol	4.72	59	64231	192.791	ug/l	100
12) 1,1-Dichloroethene	3.72	96	76769	47.799	ug/l	99
13) Acrolein	3.57	56	61961	220.262	ug/l	97
14) Allyl chloride	4.29	41	133673	43.988	ug/l	95
15) Acrylonitrile	4.94	53	216746	239.940	ug/l	100
16) Acetone	3.78	43	177016	214.176	ug/l	99
17) Carbon Disulfide	4.03	76	235781	46.915	ug/l	99
18) Methyl Acetate	4.28	43	118436	45.698	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	266857	47.652	ug/l	99
20) Methylene Chloride	4.52	84	87206	48.326	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	83207	48.438	ug/l	97
22) Diisopropyl ether	5.91	45	309436	49.029	ug/l	97
23) Vinyl Acetate	5.86	43	1123807	227.071	ug/l	100
24) 1,1-Dichloroethane	5.82	63	165701	48.611	ug/l	99
25) 2-Butanone	6.80	43	286662	226.342	ug/l	100
26) 2,2-Dichloropropane	6.79	77	123570	43.538	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	95049	48.195	ug/l	99
28) Bromochloromethane	7.17	49	77890	49.780	ug/l	98
29) Tetrahydrofuran	7.18	42	199300	231.795	ug/l	100
30) Chloroform	7.35	83	160148	50.370	ug/l	97
31) Cyclohexane	7.63	56	149221	42.661	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	136578	49.663	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122174	46.953	ug/l	99
37) Ethyl Acetate	6.89	43	122030	43.190	ug/l	99
38) Carbon Tetrachloride	7.75	117	108667	50.172	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	128128	41.187	ug/l	99
40) Benzene	8.02	78	367087	47.554	ug/l	99
41) Methacrylonitrile	7.15	41	59821m	50.761	ug/l	
42) 1,2-Dichloroethane	8.10	62	126715	48.187	ug/l	100
43) Isopropyl Acetate	8.14	43	208666	45.410	ug/l	99
44) Trichloroethene	8.82	130	91330	47.085	ug/l	96
45) 1,2-Dichloropropane	9.10	63	98435	47.210	ug/l	99
46) Dibromomethane	9.19	93	60135	50.023	ug/l	98
47) Bromodichloromethane	9.38	83	124237	48.920	ug/l	99
48) Methyl methacrylate	9.18	41	96608	47.573	ug/l	98
49) 1,4-Dioxane	9.18	88	20018	713.925	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	625934	236.293	ug/l	99
52) Toluene	10.14	92	218638	47.212	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	140053	47.477	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	148560	46.156	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	85466	48.768	ug/l	98
56) Ethyl methacrylate	10.42	69	133192	48.332	ug/l	99
57) 1,3-Dichloropropane	10.70	76	148476	47.498	ug/l	99
59) 2-Hexanone	10.74	43	448257	234.643	ug/l	100
60) Dibromochloromethane	10.89	129	90446	50.240	ug/l	99
61) 1,2-Dibromoethane	10.99	107	86968	48.700	ug/l	98
64) Tetrachloroethene	10.62	164	79991	45.593	ug/l	98
65) Chlorobenzene	11.43	112	221664	46.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	81582	48.177	ug/l	100
67) Ethyl Benzene	11.50	91	411887	46.262	ug/l	99
68) m/p-Xylenes	11.61	106	301422	93.678	ug/l	100
69) o-Xylene	11.94	106	144035	46.558	ug/l	99
70) Stvrene	11.96	104	239258	48.039	ug/l	100
71) Bromoform	12.12	173	62761	49.653	ug/l #	99
73) Isopropylbenzene	12.24	105	379904	45.618	ug/l	100
74) N-amyl acetate	12.06	43	176230	45.505	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	123148	48.442	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	107993m	47.231	ug/l	
77) Bromobenzene	12.52	156	92540	47.592	ug/l	98
78) n-propylbenzene	12.59	91	444248	45.594	ug/l	99
79) 2-Chlorotoluene	12.67	91	263514	46.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	315966	45.901	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	40869	44.088	ug/l	99
82) 4-Chlorotoluene	12.77	91	268641	45.327	ug/l	99
83) tert-Butylbenzene	12.99	119	258195	44.601	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	316946	46.580	ug/l	100
85) sec-Butylbenzene	13.17	105	345886	44.097	ug/l	100
86) p-Isopropyltoluene	13.28	119	306676	43.907	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	157145	45.349	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	156308	44.837	ug/l	100
89) n-Butylbenzene	13.61	91	275606	42.432	ug/l	99
90) Hexachloroethane	13.87	117	46911	43.776	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	154316	46.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	23722	48.216	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	84394	43.112	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	37080	36.821	ug/l	99
95) Naphthalene	15.13	128	264580	46.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	82350	43.653	ug/l	99

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

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